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Oil and Gas Exploration Drilling and Production Summary 1977

PAPER 78-1



Ministry of
Natural
Resources

January 2nd, 1980.

ERRATUM

APPENDIX III

PRELIMINARY PROVEN AND REMAINING OIL AND GAS RESERVES

<u>ORDOVICIAN</u>						
COUNTY	POOL	DISCOVERY DATE	CUMULATIVE PRODUCTION DEC. 31, 1977.	PROVEN RECOVERABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RECOVERABLE RESERVES (PROVEN)
Essex	Colchester	1957	634,738 bbls.	650,000 bbls.		15,262 bbls.
Essex	Malden	1961	129,293 bbls.	140,000 bbls.		10,707 bbls.
Kent	Dover	1917	12,508 MMcf 241,406 bbls.	25,000 MMcf 250,000 bbls.		12,492 MMcf 8,594 bbls.
<u>DEVONIAN</u>						
Elgin	Rodney	1949	8,053,324 bbls.	3,900,000 bbls.	4,735,000 bbls.	581,676 bbls.
Lambton	Oil Springs	1858	9,185,802 bbls.	9,300,000 bbls.		114,198 bbls.

Oil and Gas Exploration Drilling and Production Summary, 1977

**MINERAL RESOURCES BRANCH
PETROLEUM RESOURCES SECTION
PAPER 78-1**

**TORONTO
JANUARY 1979**



Ontario

**Ministry of
Natural
Resources**

**Hon. James A.C. Auld
Minister**

**Dr. J.K. Reynolds
Deputy Minister**

MINERAL RESOURCES BRANCH PETROLEUM RESOURCES SECTION

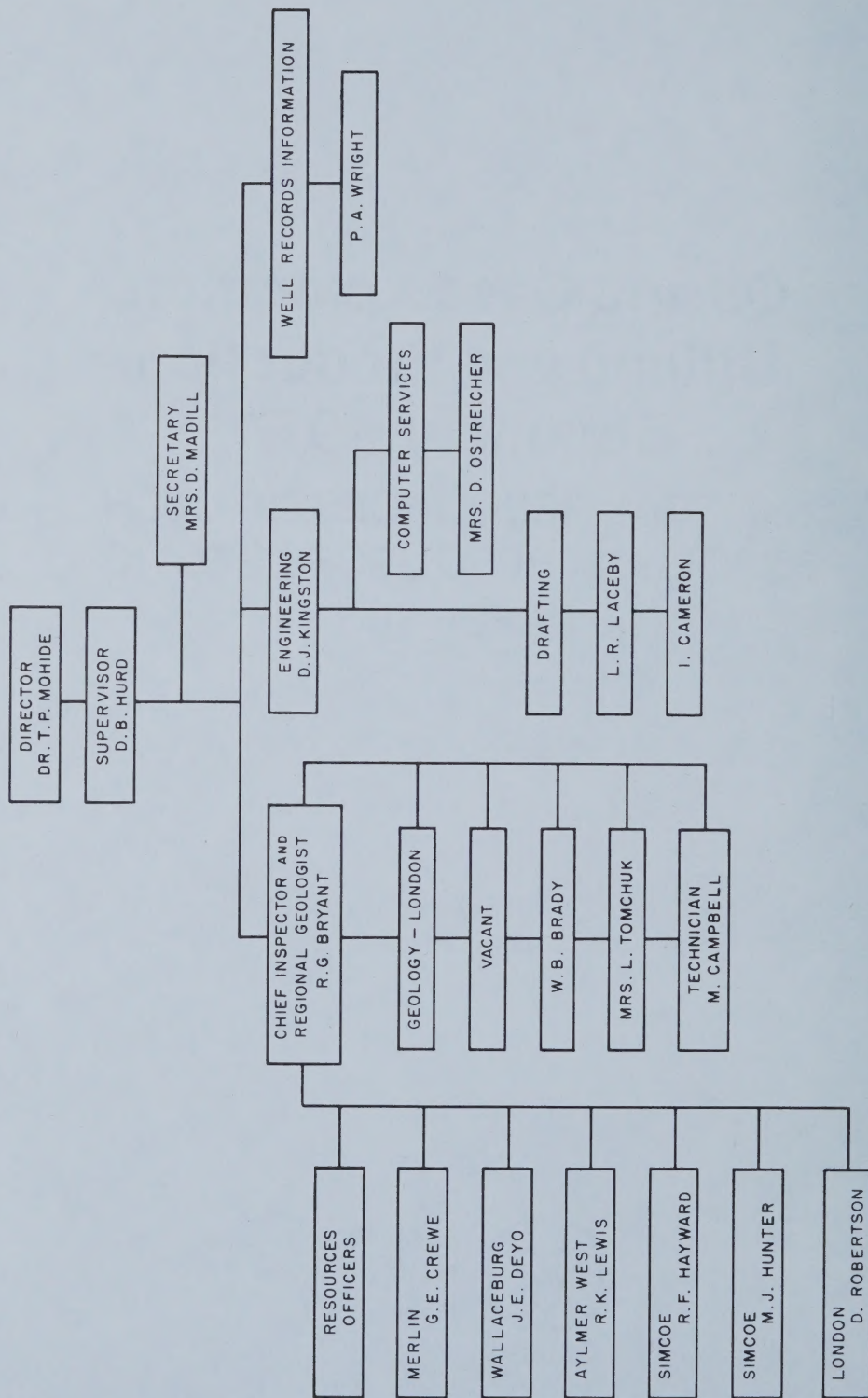


Figure 1 -- Organization Chart

(Effective as of Jan. 1, 1978)

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FOREWORD

This report is distributed free of charge to all persons holding licences during 1977 and through a permanent mailing list to libraries and universities. Additional copies of the report are made available at a price of \$7.50 each. Previous years reports are sold at the prices shown in Appendix IV.

INTRODUCTION

Information contained in this report has been condensed and processed from records submitted to the Petroleum Resources Section in compliance with the Petroleum Resources Act of 1971, and the Regulations made thereunder. Unless otherwise stated, all statistics and information are reported for the calendar year of 1977. It should be noted that the publication of annual reports is delayed one year because of the confidential status of exploratory well data incorporated within the reports. Where appropriate, information concerning the activities for the year 1978 will be noted.

This volume is divided into 4 sections and 4 appendices. Part 1 contains a brief summary of the organization of the Petroleum Resources Section of the Mineral Resources Group. Part 2, contains the statistical summary of exploration, drilling and production activities for 1977. Part 3, lists all licencees for 1977. Part 4 contains geological and completion data for all wells drilled under permit during 1977. The appendices contain a composite stratigraphic column, cumulative production tables for oil and gas, a preliminary outline of proven oil and gas reserves in Ontario, a list of computer reports available to the public, and a list of available publications and maps.

Geophysical activity during 1977 rose sharply to 2,158 line miles as opposed to the 487 miles run during 1976. The increase was mainly apparent in Huron, Lambton and Middlesex Counties where 1,964 miles of seismic lines were shot in 1977 and 224 miles were shot in 1976. In Huron, Kent Lambton and Middlesex Counties there were 11, 3, 5 and 117-fold increases in seismic activity respectively. Seismic activity fell somewhat in Bruce County and 147 miles of marine seismic were shot in Lake Erie.

Leasing activity on freehold lands in Southwestern Ontario increased by 43% over that in 1976. Leasing activity remained at about the same level in 1977, as that in 1976 for most counties; however, notable increases were apparent in Kent, Lambton, Middlesex and Perth Counties. In Kent County leasing activity rose from 40,102 acres in 1976 to 71,151 in 1977. Similarly, in Lambton County, there was a 33,087 acre gain in 1977 and in Middlesex leasing activity rose by 82, 475 acres to a total of 115,044 acres in 1977. In Perth County there were an additional 35, 280 acres leased in 1977. During 1977 there was marked leasing activity in Waterloo, Welland and Wellington Counties and a total 24, 192 acres were leased in 1977 while none were leased in 1976. The intense leasing activity in Huron County that was experienced in 1976 is showing some decline in 1977. Leasing activity fell by 53,458 acres to 182, 942.

No petroleum and natural gas Licences of Occupation or Leases were held or issued during 1977 for Crown Lands located within the Hudson and James Bay Lowlands. The total acreage held under Licence of Occupation and Lease within Lake Erie remained the same at 2,702,166 acres. All of the lands available in Lake Erie have been acquired and any future increases will reflect the disposition of certain lands within the Buffer Zone.

Drilling activity during 1977 rose slightly from 159 wells in 1976 to 189 wells. Similarly, total footage increased to 320,775 feet from 250,964 feet drilled in 1976. The number of wells drilled in Lake Erie during 1977 fell slightly to 65 down from the 72 wells drilled in 1976.

The Silurian formations were, once again, the main target of exploration in 1977, accounting for 110 of the 124 wells drilled on land and all but 2 of those drilled offshore. The Salina-Guelph formations were the target for 59 wells and 116 wells were drilled into the Clinton-Cataract group. Of those wells that were classed as exploratory tests, there were 8 successful Salina-Guelph wells and 14 wells that discovered gas within the Clinton-Cataract group. One Ordovician oil well was drilled and there were 2 Cambrian gas completions. The overall success ratio for exploratory wells was 43.9 and for development wells 73.5%.

During 1977, gas production in Ontario rose from 4.96 to 8.53 Bcf, a 71% increase over the previous year. However, oil production fell slightly to 618,742 barrels from 1976 production of 621,508. The sharp drop in gas production during 1976 was attributed to a provincial over-supply problem which forced the shut-in of some fields. This problem was solved towards the end of 1976 and 1977 production more accurately reflects present production potential of Ontario gas fields. The 1977 Lake Erie gas production was 5.57 Bcf, nearly twice the 2.84 Bcf produced in 1976. Lake Erie gas fields continue to be the major contributor to Ontario natural gas production by providing 53% of Ontario's production.

Although the Lake Erie acreage is under licence and lease to 7 operators, most of the acreage is under disposition to Anschutz (Canada) Exploration Limited of Calgary and Consumers' Gas Company of Toronto, both of whom drilled all but 4 of the Lake Erie wells during the 1977 drilling season.

PART I – ORGANIZATION

Petroleum Resources Section of Mineral Resources Branch operates under authority of the Petroleum Resources Act, 1971 and the Regulations made thereunder. Activities of the Section include licensing, regulation and inspection of exploration, drilling and production operations, as well as collection and dissemination of geological data and research. In addition, the Section continued its responsibility with respect to regional geological functions and technical assistance to the Ministry of Energy and the Ontario Energy Board on specific energy related matters.

Administration and engineering offices of the Section are located in Toronto. Geological and sample repository facilities are located in London. Inspection

staff operate from various regional and district offices throughout the Province, as noted in Part IV of this report. Key staff within the Petroleum Resources Section, both in head office and the region, are shown in Figure 1.

Considerable effort is made by the Petroleum Resources Section to encourage exploration by providing current geological and engineering information, data and reports to the industry. In addition to the above, a co-operative research study on the Silurian oil and gas fields in Southwestern Ontario was started in 1976. This project is scheduled for completion in the early months of 1979. A geological research program involving potential hydrocarbon producing formations underlying Lake Erie was completed in 1978. Isopach maps of all significant formations have been made available at a scale of 1:50000. A detailed geological study of the pinnacle reef belt within Lambton County is underway and is expected to be completed by June 1979. A number of Engineering Reports have been underway during the last part of 1978 and are expected to be made available by the end of 1979. These reports will include an interpretive study of the Guelph pinnacle reef belt using wire line log analysis and a summary of drilling, completion and production practices currently in use on Lake Erie.

During 1975 the Section was appointed as a representative to Sector 4.02 of the Metric Commission, as well as an active member to its Legislative Sub-Committee. The Sub-Committee's purpose has been to identify all measurement sensitive clauses and to prepare recommendations for their conversion to SI units. During 1978 final recommended changes were prepared in

TABLE 1 — GEOPHYSICAL ACTIVITY — 1975-1977

County	Miles	1975 Crew Months	Miles	1976 Crew Months	Miles	1977 Crew Months
Bruce	54	.2	56	1.5	19	.7
Cochrane	1100	.3	—	—	—	—
Elgin	142	1.7	—	—	—	—
Essex	694	9.8	185	6.2	—	—
Huron	636	2.8	87	2.6	993	13.9
Kent	5	.1	10	.2	28	.5
Lake Erie	—	—	—	—	147	.3
Lambton	459	5.0	135	3.8	737	15.7
Middlesex	356	2.8	2	.1	234	3.9
Norfolk	—	—	—	—	—	—
Oxford	7	.4	—	—	—	—
Perth	—	—	12	.7	—	—
TOTALS	3453	23.3	487	15.1	2158	35.0

Method	Crew Months	Crew Months	Crew Months
Gravity	16.2	6.3	2.1
Seismic	5.4	8.8	29.4
Magnetic	1.7	—	3.5
Geochemical	3.0	.3	—
TOTALS	26.3	15.4	35.0

TABLE 2 – ACREAGE LEASED – LAND AREA – 1975-1977

County	1975	1976	1977
Brant	—	—	779
Bruce	5,575	24,261	29,740
Dufferin	200	—	—
Elgin	20,024	1,194	765
Essex	25,341	11,833	2,588
Haldimand	132	—	1,111
Huron	46,910	236,400	182,942
Kent	25,050	4,102	71,151
Lambton	107,791	31,517	64,604
Lincoln	—	—	100
Middlesex	36,432	32,569	115,044
Norfolk	20,892	30,450	5,429
Oxford	4,726	250	488
Perth	—	511	35,791
Waterloo	—	—	546
Welland	—	—	23,313
Wellington	12,595	—	333
TOTALS	305,668	373,087	534,724

TABLE 3 – ACREAGE UNDER DISPOSITION
LAKE ERIE – 1971-1977

Year	Licences of Occupation	Leases	Total Acreage
1977	2,469,559	232,607	2,702,166
1976	2,518,699	183,467	2,702,166
1975	2,523,609	176,592	2,700,201
1974	2,498,271	175,954	2,674,225
1973	2,379,182	159,459	2,538,641
1972	1,468,886	153,789	1,622,675
1971	1,470,896	152,353	1,623,249

conjunction with the Metric Committee of the Ontario Petroleum Institute and legislation in this regard has been enacted. In keeping with the metric conversion across the nation, "M" date for the oil and gas industry is January 1st, 1979. After this date all measurement sensitive items must be reported in metric units.

Petroleum Resources Section has prepared a booklet entitled "Metric" Conversion and Oil and Gas Exploration in Ontario". The booklet includes a wallet-size card including all of the conversion factors to convert commonly used imperial measurements to metric units. The booklet is intended to provide a guide to help in filling out forms required under the Petroleum Resources Act. Both booklet and card are available without charge from the Petroleum Resources Section at either 99 Wellesley Street West, in Toronto, or 458 Central Avenue in London. After January 1, 1979 forms submitted to the Petroleum Resources Section in imperial units will not be accepted and will be returned to the operator for conversion to metric units.

TABLE 4 – SUMMARY OF WELL COMPLETIONS – 1977

COUNTY & TOWNSHIP	Exploratory					Development					Other		
	G	O	D	T	Footage	G	O	D	T	Footage	No.	Type	Footage
BRANT Brantford Burford Tuscarora			1	1	2,962	1 1			1 1	540 575			
ELGIN Dunwich Lake Erie Malahide	4		7 1	11 1	19,741 1,126	11		1 4	1 15	589 29,468			
ESSEX Anderdon Gosfield South Malden Rochester Sandwich West		1		1 1	2,703 2,762		2 ²		2	4,028	1 4	BR PPS	1,223 6,296
HALDIMAND Canborough Lake Erie Seneca South Cayuga						1 2 1 1		1	1 3 1 1	545 2,834 590 671			
HURON Tuckersmith			1	1	1,734								
KENT Camden Gore Lake Erie Orford Raleigh Zone	3		1 3 2 1	1 6 2 1	650 18,042 3,628 454	1		3 1	4 1	9,081 3,734			
LAMBTON Brooke Dawn Enniskillen Moore Sombra	5 ² 2	1	1 3 1 2 2	1 8 2 4 2	1,958 15,097 4,191 9,601 4,407	4 ² 3	2 2 1	1 3 1	1 9 1 6 1	1,737 16,755 2,164 14,468 2,001	4 2 1	GS BR GS	7,388 5,119 2,350
LINCOLN Caistor Gainsborough						1 2			1 2	410 1,040			
MIDDLESEX McGillivray			1	1	1,853		3 ²		3	5,196			
NORFOLK Charlotteville Houghton Lake Erie North Walsingham South Walsingham	3 ² 1 1 3 3 1			3 1 4 3 1	1,511 1,485 7,383 4,436 1,480	15 12 8 1		1 2 10 1 ¹ 1	16 2 22 9 1	20,239 2,895 39,956 12,798 1,390			
OXFORD Dereham						2		1	3	2,755			
WELLAND Humberstone Wainfleet						1			1	800	7	GS	5,529
WELLINGTON Arthur			1	1	2,395			2	2	5,038			
WENTWORTH Glanford						2			2	974			
TOTALS	23	2	32	57	109,599	73	10	30	113	183,271	19		27,905
LOST HOLES					0	0			2	736	0		0
GRAND TOTAL – 189 Wells, 320,775 feet													

NOTE: The following wells are deepenings and only the additional footage drilled has been included

GEL FOX NO. 1-A Gosfield South 4-FWD	Essex	C1: DEVEL	Status: OP T.D.: 2459'
HERITAGE DAWN 1-26-11	Lambton	C1: NFW	Status: GP T.D.: 1936'
SUNBURST GB #7 McGillivray 41-N.B.	Middlesex	C1: DEVEL	Status: OP T.D.: 1900'
NEW METALORE 30 Charlotteville 7-7-v	Norfolk	C1: DEEPE	Status: GP T.D.: 1365'
NEW METALORE 25 Charlotteville 2-9-11	Norfolk	C1: DEEPE	Status: GP T.D.: 1348'
CRAVEN-UNION NORTH WALSINGHAM 8-15-X-A	Norfolk	C1: DEVEL	Status: GP T.D.: 1395'

NOTES: 1. Lost holes not included in total number of wells drilled although footage is included.

2. Deepening.

CODE: BR Brine Well
PPS Petroleum Products Storage
GS Gas Storage
ST Stratigraphic Test
DISP Disposal Well

TABLE 5 — SUCCESSFUL EXPLORATORY TESTS — 1977

Well Name	County	Township	Location	Date	Total Depth	Deepest Formation	Producing Formation	Results	Expl. Class
Bluewater	Lambton	Enniskillen	Lot 30	Mar 2	1971	Guelph	Guelph	oil and gas	NPW
Consumers 13262	Kent	Lake Erie	42°13'50"N 81°24'23"W	Sept 4	2235	Queenston	Guelph	gas	EXT
Consumers 13399	Elgin	Lake Erie	42°24'27"N 81°02'45"W	June 4	1000	F shale	Amherstburg	gas	SPT
Craven	North	Lot 8		Dec 3	1476	Queenston	Thorold	gas	NPW
N. Walsingham	Norfolk	Walsingham	Conc. VII			Queenston	Grimbsy	gas	NPW
Dow	Lambton	Moore	Lot 23	Nov 30	2504	Guelph	Guelph	gas	NPW
Moore 1-23-XII	Lambton	Moore	Conc. XII			Guelph	A-1	gas	NPW
Heritage	Lambton	Dawn	Lot 26	Aug 17	1936	Guelph	Carbonate	gas	NPW
Dawn 1-26-II	Lambton	Dawn	Conc. II			Guelph	A-1	gas	NPW
McClure Union	Lambton	Dawn	Lot 27	Mar 28	1751	Guelph	Carbonate	gas	NPW
Dawn 1-27-VI	Lambton	Dawn	Conc. VI			Guelph	A-1	gas	NPW
P.H. & H.	Essex	Malden	Lot 41	Apr 1	2703	Coboconk	Verulam	oil and gas	NPW
Malden 3-41-IV	Essex	Malden	Conc. IV			Coboconk	A-1	gas	NPW
Ram #51	Lambton	Dawn	Lot 33	May 20	1927	Goat Island	Carbonate	gas	NPW
Dawn 4-33-IX	Lambton	Dawn	Conc. IX			Goat Island	Carbonate	gas	NPW

TABLE 6 — IMPORTANT DRY EXPLORATORY TESTS — 1977

Well Name	County	Township	Location	Date	Total Formation Depth	at T.D.	Results	Expl. Class
Consumers 13176	Kent	Lake Erie	42°10'49"N 81°31'24"W	Aug. 16	4,710'	Pre-Cambrian	A-1 Carbonate & Cambrian gas show/abd	NFW
Consumers 13448	Elgin	Lake Erie	42°35'10"N 80°47'33"W	June 26	1,627'	Queenston	Rochester gas show/abd	NPW
Consumers 13449	Elgin	Lake Erie	42°36'30"N 80°57'05"W	June 22	1,620	Queenston	Guelph gas show/abd	NPW
Consumers 13470	Kent	Lake Erie	42°15'11"N 81°35'24"W	Sept 19	4,526	Pre-Cambrian	Collingwood & Cambrian gas show/abd	NFW
176-U	Kent	Lake Erie	42°15'11"N 81°35'24"W	Sept 19	4,526	Pre-Cambrian	Cambrian gas show/abd	NFW
Dow	Lambton	Moore	Lot 21	June 24	2,471	Guelph	A-1 Carbonate & Guelph gas show/abd	NPW
Moore 3-21-XII	Lambton	Moore	Conc. XII			Guelph	A-1 Carbonate & Guelph gas show/abd	NPW
Fitzgerald	Huron	Tucker-Smith	Lot 26	July 29	1,734	Goat Island	Dry hole/abd	NPW
Tuckersmith 2-26-1	Huron	Tucker-Smith	Conc. I			Goat Island	Dry hole/abd	NPW
Kenartha No. 8	Wellington	Arthur	Lot 24	Dec. 8	2,395	Pre-Cambrian	Dry hole/abd	NFW
Arthur 8-24-VIII	Wellington	Arthur	Conc. VII			Pre-Cambrian	Dry hole/abd	NFW
Murphy-Redco	Brant	Burford	Lot 14	Aug. 4	2,962	Pre-Cambrian	Salina E Carbonate & Gull River gas show / abd	NFW
Burford 7-14-VIII	Brant	Burford	Conc. VIII			Pre-Cambrian	Salina E Carbonate & Gull River gas show / abd	NFW

PETROLEUM RESOURCES DATA SYSTEM

During 1975 the Section developed a computerized data processing system designed to store and retrieve a variety of geological, engineering and statistical data. The new system was fully implemented during 1977. During 1978 the system has been refined and expanded and is currently capable of generating various computer reports listed in Appendix IV. Final stages of preparing mapping software have been completed and the new mapping capabilities permit plotting and/or contouring of structure or isopach maps of any geological horizon, or combination thereof.

Reports listed in Appendix IV are generated by accessing any or all of the following 3 basic data files: the well file, production file and field file. Well files stored within the system are organized by latitude and longitude and contain all of the data shown on the well cards at the end of this paper. Specific wells required for a report may be retrieved by specifying data items which are common to all wells. The well file is the largest and most actively used file within the system and contains reasonably reliable information on approximately 12,000 wells drilled in Ontario.

TABLE 7 – DRILLING SUMMARY BY AGE – 1977

Age	Devonian		Silurian				Ordovician		Cambrian		Totals	
			Salina-Guelph		Clinton-Cataract							
Class	E	D	E	D	E	D	E	D	E	D	E	D
Oil	0	0	1	8	0	0	1	2	0	0	2	10
Gas	0	0	7	12	14	61	0	0	2	0	23	73
Dry	2	1	13	6	14	20	2	0	1	3	32	30
Sub-Totals	2	1	21	26	28	81	3	2	3	3	57	113
Other	0		12		7		0		0		19	
GRAND TOTALS	3		59		116		5		6		189	

TABLE 8 – DRILLING SUCCESS RATIOS – 1977

Exploratory					
Age	Gas	Oil	Dry	Totals	% Success
Devonian	—	—	2	2	0.00
Silurian – Salina-Guelph	7	1	13	21	38.1
Clinton-Cataract	14	—	14	28	50.0
Ordovician	—	1	2	3	33.3
Cambrian	2	—	1	3	66.7
TOTALS	23	2	32	57	43.9

Development					
Age	Gas	Oil	Dry	Totals	% Success
Devonian	—	—	1	1	0.00
Silurian – Salina-Guelph	12	8	6	26	76.9
Clinton-Cataract	61	—	20	81	75.3
Ordovician	—	2	—	2	100.0
Cambrian	—	—	3	3	0.00
TOTALS	73	10	30	113	73.5

The production file is organized by field name and is capable of storing a 20 year annual and 5 year monthly history of production data. The field file contains information pertaining to location of the field, type of pool, primary and secondary reserves, producing formations, etc. The field records stored within this file are organized alphabetically by field name. Since the old data system did not accommodate any of this type of information, the Petroleum Resources Data System began with an empty bank. Efforts are being made to fill these files, and currently, field location data and production information dating back to 1974 have been stored.

The system is capable of operating conversationally or in batch mode. Most runs are made overnight to take advantage of lower costs and results are usually available the next morning. The user is only charged actual computing costs to the Section. However, the cost of generating most of the reports listed in Appendix IV against approximately 175 well records is in the order of \$5.00 each. The cost is directly related to the number of records retrieved and calculations performed; users are advised of an estimated cost before the computer job is run.

As with all computer systems, reports generated by the Petroleum Resources Data System will only be as accurate as information stored within its banks. The Section is upgrading information stored within all of the data files on a continuous basis in order to make all of the reports more accurate and meaningful.

TABLE 9 – LAKE ERIE DRILLING – 1977

County	Exploratory				Development			
	Gas	Dry	Total	Footage	Gas	Dry	Total	Footage
Elgin	4	7	11	19,741	11	4 ¹	15	29,468
Haldimand	0	0	0	0	2	1	3	2,834
Kent	3	3	6	18,042	1	3	4	9,081
Norfolk	1	3	4	7,383	12	10	22	39,956
Sub-Totals	8	13	21	45,166	26	18	44	81,339
GRAND TOTALS 65 wells 126,505 feet								

Note: 1 Lost hole not included.

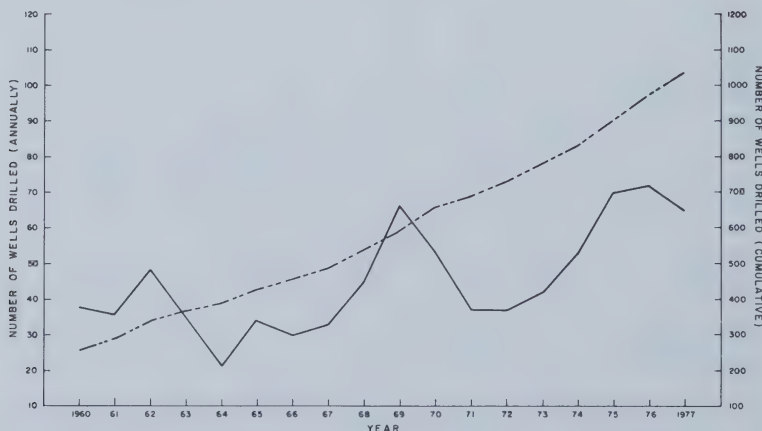


Figure 2 – Lake Erie Drilling Activity

INDEX OF OIL AND GAS FIELDS

BRANT COUNTY

1. Brant (G.O.-SIL)

BRUCE COUNTY

2. Hepworth (G.-ORD)

ELGIN COUNTY

3. Aldborough (G.-SIL)
4. Bayham (G.-SIL)
5. Cowal (G.-SIL)
6. Crinan (O.-SIL)
7. Dutton (O.-DEV)
8. Malahide (G.-SIL)
9. Mosald (G.-SIL)
10. New Glasgow (G.-CAM)
11. Rodney (O.-DEV)
12. Wallacetown (O.-DEV)
13. Willey (O.-CAM)

ESSEX COUNTY

14. Belle River (O.-DEV)
15. Colchester (O.-ORD)
16. Comber (G.O.-SIL)
17. Gosfield South (O.-ORD)
18. Kingsville-Leamington-Mersea (G.O.-SIL)
19. Malden (G.-SIL O.-ORD)
20. Oxley (G.-SIL)
21. Pelee Island No. 1 (O.-SIL)
22. Pelee Island No. 2 (O.-SIL)
23. Ruscom River (O.-ORD)
24. Staples (G.O.-SIL)

GREY COUNTY

25. Egremont (G.-ORD)

HALDIMAND COUNTY

26. Haldimand (G.O.-SIL)

HALTON COUNTY

27. Acton (G.O.-SIL)
28. Hornby (G.-ORD)

HURON COUNTY

29. Bayfield (G.-SIL)
30. Dashwood (G.-SIL)
31. Dungannon (G.-SIL)
32. Tipperary (G.SIL)
33. Zurich (G.-SIL)

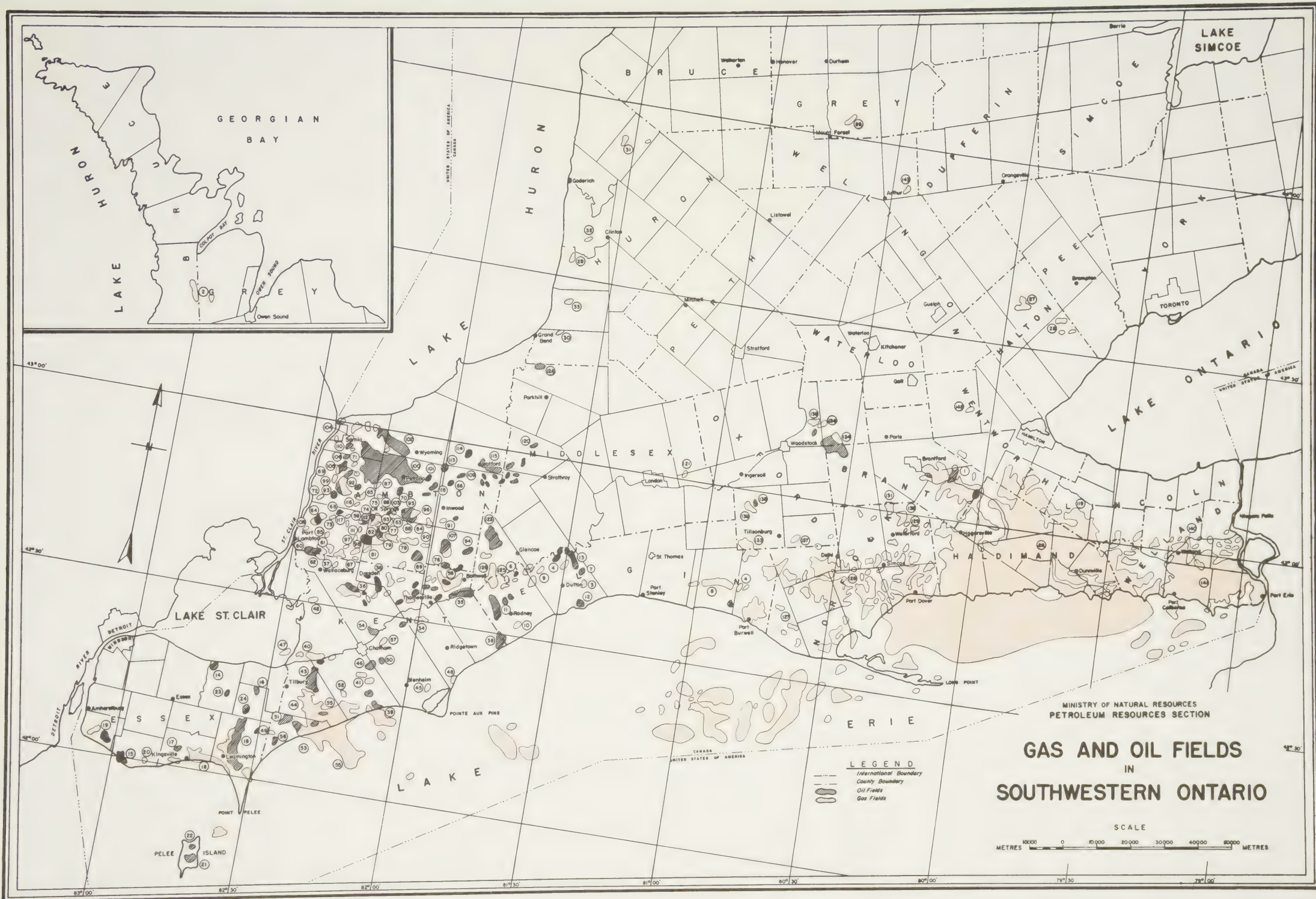
KENT COUNTY

34. Botany (G.-SIL)
35. Bothwell-Thamesville (O.-DEV)
36. Chatham-Dresden-Camden Gore (G.O.-SIL)
37. Chatham Gore (G.-SIL)
38. Clearville (O.-CAM)
39. D'Clute (G.-SIL)
40. Dover (G.O.-ORD)
41. Doyles (G.-SIL)
42. Electric (G.-CAM)
43. Fletcher (O.-SIL)
44. Glenwood (O.-SIL)
45. Guilds (G.-SIL)
46. Kipp (O.-DEV)
47. Lake St. Clair (G.-SIL)
48. Morpeth (G.-SIL)
49. New Wheatley (G.-SIL)
50. Richardson's Siding (O.-DEV)
51. Romney (O.-DEV)
52. St. Patricks (O.-CAM)
53. Stevenson (O.-DEV)
54. Stewart (O.-DEV)
55. Tilbury (G.O.-SIL)
56. Wheatley (G.-SIL)
57. Wolfe (G.-SIL)
58. Zone (St.-SIL)

LAMBTON COUNTY

59. Avonry (G.-SIL)
60. Becher (O.-SIL)
61. Becher East (G.-SIL)
62. Becher West (G.-SIL)
63. Bentpath (ST.-SIL)
64. Bickford (St.-SIL)
65. Brigden (G.O.-SIL)
66. Brooke (O.-SIL)
67. Charlemont (G.-SIL)
68. Clay Creek (O.-SIL)
69. Colinvile East (G.-SIL)
70. Corey East (O.-SIL)
71. Corunna (St.-SIL)
72. Courtwright (G.-SIL)
73. Coveny (G.-SIL)
74. Cromar East (G.-SIL)
75. Cromar West (G.-SIL)
76. Dante (O.-DEV)
77. Dawn (G.O.-SIL)
78. Dawn No. 1 (St.-SIL)
79. Dawn 26.11 (G.O.-SIL)
80. Dawn 4-28-111 (G.-SIL)
81. Dawn 47-49 (St.-SIL)
82. Dawn 59-85 (St.-SIL)
83. Dawn 156 (St.-SIL)
84. Dawn 167 (St.-SIL)
85. Duthill (G.-SIL)
86. Enniskillen 26 (G.-SIL)
87. Enniskillen 28 (G.-SIL)
88. Enniskillen 422 (G.-SIL)
89. Florence (O.-DEV)
90. General Dawn 5 (G.-SIL)
91. Inwood (O.-DEV)
92. Kimball-Colinvile (St.-SIL)
93. Ladysmith (O.-SIL)
94. Mandamin (G.-SIL)
95. Oil Springs (O.-DEV.G.-SIL)

Figure 3



INDEX OF OIL AND GAS FIELDS

BRANT COUNTY

1. Brant (G.O.-SIL)

BRUCE COUNTY

2. Hepworth (G.-ORD)

ELGIN COUNTY

3. Aldborough (G.-SIL)
4. Bayham (G.-SIL)
5. Cowal (G.-SIL)
6. Crinan (O.-SIL)
7. Dutton (O.-DEV)
8. Malahide (G.-SIL)
9. Mosald (G.-SIL)
10. New Glasgow (G.-CAM)
11. Rodney (O.-DEV)
12. Wallacetown (O.-DEV)
13. Willey (O.-CAM)

ESSEX COUNTY

14. Belle River (O.-DEV)
15. Colchester (O.-ORD)
16. Comber (G.O.-SIL)
17. Gosfield South (O.-ORD)
18. Kingsville-Leamington-Mersea (G.O.-SIL)
19. Malden (G.-SIL O.-ORD)
20. Oxley (G.-SIL)
21. Pelee Island No. 1 (O.-SIL)
22. Pelee Island No. 2 (O.-SIL)
23. Ruscom River (O.-ORD)
24. Staples (G.O.-SIL)

GREY COUNTY

25. Egremont (G.-ORD)

HALDIMAND COUNTY

26. Haldimand (G.O.-SIL)

HALTON COUNTY

27. Acton (G.O.-SIL)
28. Hornby (G.-ORD)

HURON COUNTY

29. Bayfield (G.-SIL)
30. Dashwood (G.-SIL)
31. Dungannon (G.-SIL)
32. Tipperary (G.SIL)
33. Zurich (G.-SIL)

KENT COUNTY

34. Botany (G.-SIL)
35. Bothwell-Thamesville (O.-DEV)
36. Chatham-Dresden-Camden Gore (G.O.-SIL)
37. Chatham Gore (G.-SIL)
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55. Tilbury (G.O.-SIL)
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57. Wolfe (G.-SIL)
58. Zone (St.-SIL)

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61. Becher East (G.-SIL)
62. Becher West (G.-SIL)
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93. Ladysmith (O.-SIL)
94. Mandamin (G.-SIL)
95. Oil Springs (O.-DEV.G.-SIL)

96. Oil Springs East (G.O.-SIL)

97. Otter Creek (G.-SIL)

98. Otter Creek East (G.-SIL)

99. Payne (St.-SIL)

100. Petrolia (O.-DEV)

101. Petrolia East (O.-SIL)

102. Plympton (G.O.-DEV)

103. Rosedale (St.-SIL)

104. Sarnia (G.O.-SIL)

105. Seckerton (St.-SIL)

106. Seckerton North (G.O.-SIL)

107. Shetland (G.-SIL O.-DEV)

108. Sombra (St.-SIL)

109. Sutorville (O.-SIL)

110. Talford (O.-SIL)

111. Terminus (St.-SIL)

112. Terminus North (G.O.-SIL)

113. Wanstead (O.-SIL)

114. Warwick (O.-SIL)

115. Watford-Kerwood (O.-DEV)

116. Waubuno (St.-SIL)

117. Wilkesport (G.-SIL)

118. Wilson Croft (O.-DEV)

LINCOLN COUNTY

119. Lincoln (G.-SIL)

MIDDLESEX COUNTY

120. Adelaide (O.-DEV)
121. Crumlin (G.-SIL)
122. Ekfrid (G.O.-CAM)
123. Glencoe (O.-DEV)
124. Grand Bend (O.-SIL)
125. Mosa (O.-SIL)
126. Wardsville (G.SIL)

NORFOLK COUNTY

127. Hemlock (G.-SIL)
128. Norfolk (G.-SIL)
129. Townsend (G.-SIL)
130. Venison Creek (G.-SIL)
131. Wilsonville (G.-SIL)
132. Wilsonville So. (G.SIL)

OXFORD COUNTY

133. Brownsville (G.-SIL)
134. Gobles (G.O.-CAM)
135. Innerkip (G.O.-CAM)
136. Innerkip East (G.-CAM)
137. Norwich South (G.-SIL)
138. Verschoyle (O.-CAM)
139. Verschoyle West (G.-SIL)

WELLAND COUNTY

140. Crowland (St.-SIL)
141. Welland (G.-SIL)

WENTWORTH COUNTY

142. Rockton (G.-CAM)

WELLINGTON COUNTY

143. Arthur (G.-ORD.CAM)

LEGEND

- G. — Gas Pool
O. — Oil Pool
G.O. — Gas & Oil Pool
St. — Storage Pool

DEV — Devonian
SIL — Silurian
ORD — Ordovician
CAM — Cambrian

- 96. Oil Springs East
(G.O.-SIL)
- 97. Otter Creek (G.-SIL)
- 98. Otter Creek East
(G.-SIL)
- 99. Payne (St.-SIL)
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- 101. Petrolia East
(O.-SIL)
- 102. Plympton (G.O.-DEV)
- 103. Rosedale (St.-SIL)
- 104. Sarnia (G.O.-SIL)
- 105. Seckerton (St.-SIL)
- 106. Seckerton North
(G.O.-SIL)
- 107. Shetland (G. -SIL)
(O.-DEV)
- 108. Sombra (St.-SIL)
- 109. Sutorville (O.-SIL)
- 110. Talford (O.-SIL)
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- 114. Warwick (O.-SIL)
- 115. Watford-Kerwood
(O.-DEV)
- 116. Waubuno (St.-SIL)
- 117. Wilkesport (G.-SIL)
- 118. Wilson Croft (O.-DEV)

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WENTWORTH COUNTY

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- 123. Glencoe (O.-DEV)
- 124. Grand Bend (O.-SIL)
- 125. Mosa (O.-SIL)
- 126. Wardsville (G.SIL)

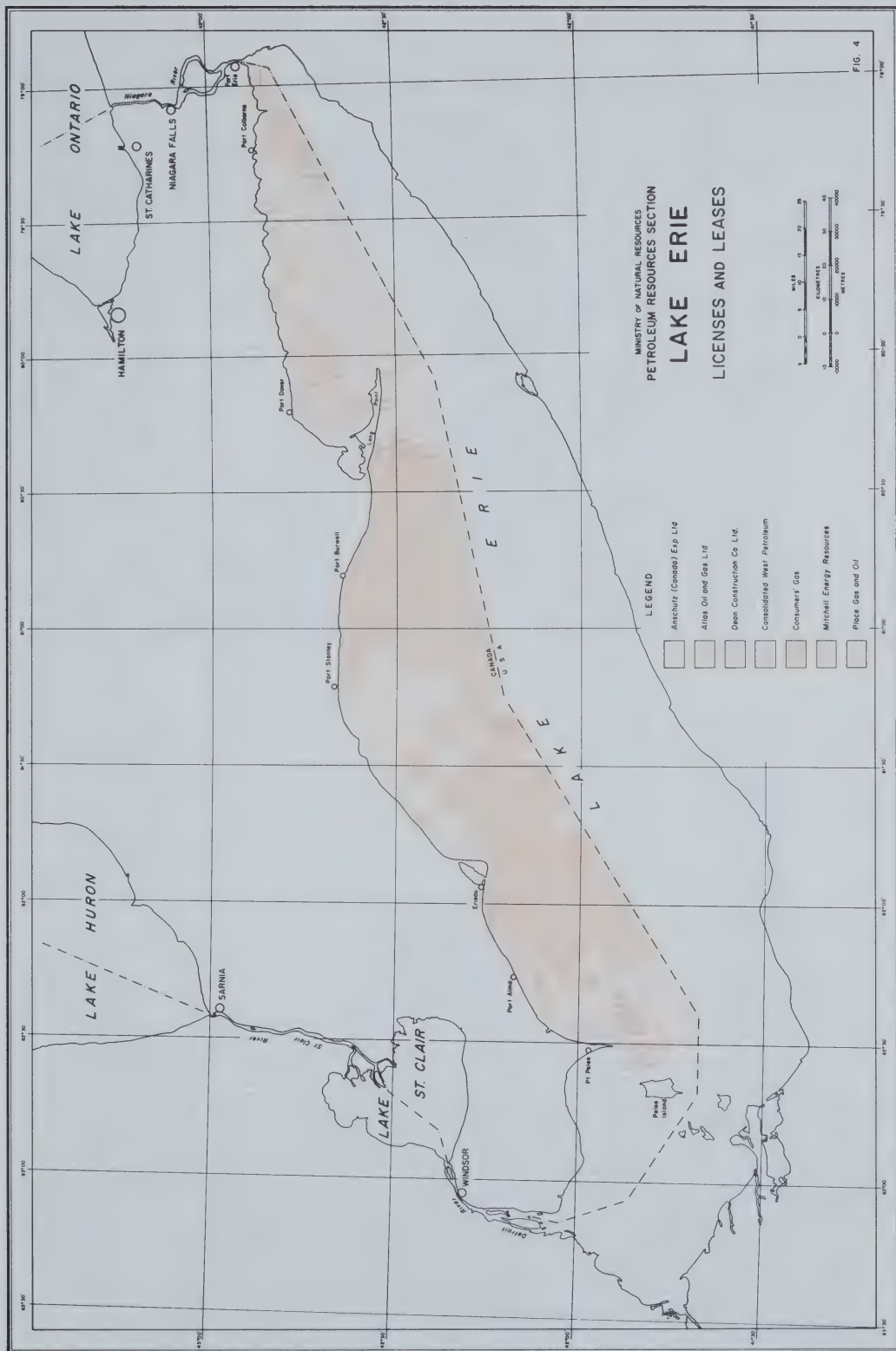


Figure 4 – Lake Erie-Licenses and Leases

TABLE 10 – ONTARIO OIL FIELDS, WELLS, AND PRODUCTION – 1977
In Barrels

County	Field or Pool	Township	Producing Horizons	W E L L S Susp. Active		Production In Barrels	Firms Producing
Elgin	Rodney	Aldborough	Lucas	37	131	185,548	Rayrock, Canada Cities Service
	Wallacetown	Dunwich	Dundee	–	16	814	Marcus
	Willey	Dunwich	Cambrian	2	12	71,332	Den-Mar, Imperial, Union
Essex	Colchester Kingsville	Colchester South Gosfield South	Gull River Guelph Cobourg	1 –	5 3	6,244 7,341	Bradford, Putman Gaiswinkler
	Malden	Malden	Gull River	–	4	2,286	Bradford
	Ruscom River	Rochester	Verulam	2	1	534	Forbes
Kent	Bothwell-Thamesville	Zone	Dundee Lucas	31	32	9,379	Kodyen, Pope, Sitrer
	Chatham	Chatham	A2 Carbonate A2 Carbonate Guelph	–	1	3,339	Riddell-Hanna, York
	Clearville	Orford	Cambrian	9	7	24,414	Murphy
	Dover	Dover	Gull River	–	1	406	Comfort
	Dresden	Camden	A2 Carbonate	–	1	1,658	Brett
			A1 Carbonate				
	Becher West	Sombra	A1 Carbonate	7	21	46,355	Murphy
	Brigden	Moore	A1 Carbonate	–	2	2,333	Consumers'
	Brooke	Brooke	Guelph	–	4	21,796	Cameron, Critchfield
	Corunna	Moore	A1 Carbonate Guelph	–	10	18,141	Imperial
	Dawn – Misc.	Dawn	A2 Carbonate A1 Carbonate Guelph	6	10	7,493	Various
	Dawn 156	Dawn	Guelph	5	1	3,851	Imperial
	Dawn-Sombra	Dawn	Guelph	–	4	608	Brett
	Edys Mill	Dawn	Guelph	–	1	112	Ram
Lambton	Enniskillen 30	Enniskillen	Guelph	–	1	7,341	Bluewater
	Ladysmith	Moore	Guelph	3	3	24,308	McClure
	Oil Springs	Enniskillen	Dundee	41	263	24,324	Various
	Oil Springs East	Enniskillen	Guelph	–	1	719	Husky
	Osborne	Moore	Guelph	–	1	5,697	McClure
	Petrolia	Enniskillen	Dundee Lucas	27	50	20,627	Various
	Petrolia East	Enniskillen	Guelph	2	6	22,221	Ram
	Seckerton	Moore	A1 Carbonate Guelph	1	9	25,331	Imperial
	Shetland	Euphemia	A1 Carbonate Guelph	–	1	29	Annett
	Sombra	Sombra	Guelph	–	1	105	Southwest
	Sombra (Misc.)	Sombra	Guelph	–	1	90	McClure, Medina
	Sutorville	Brooke	Guelph	–	1	1,459	LMG Oils
	Wanstead	Enniskillen	Guelph	–	3	4,423	Roth & Roth
	Warwick	Warwick	Guelph	–	2	8,987	Murphy
	West Cromar	Moore	Guelph	–	1	3,673	Corden
	Wilson Croft	Enniskillen	Dundee	–	2	149	S & W Oil
Middlesex	Ekfrid	Ekfrid	Cambrian	3	1	6,193	A.I.S.
	Grand Bend	McGillivray	Guelph	1	4	15,739	Sunburst
	Mosa	Mosa	A1 Carbonate	–	1	1,161	Bradford
Oxford	Gobles	Blenheim	Cambrian	2	36	31,397	Rayrock
	Brant Innerkip	Blandford	Cambrian	–	3	785	Angelus, Nith River
GRAND TOTALS				180	658	618,742	

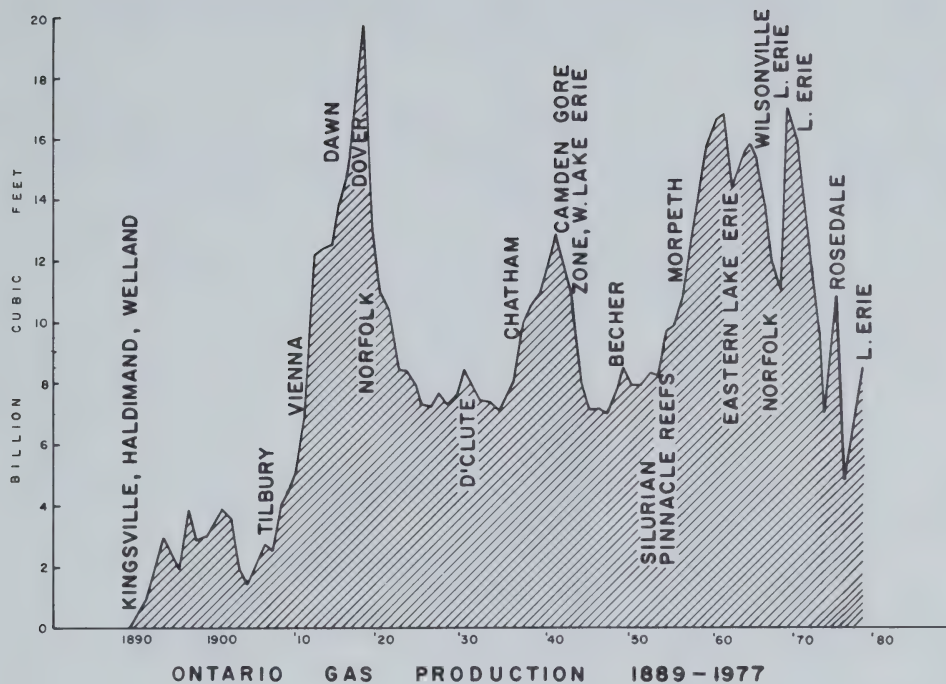


Figure 6

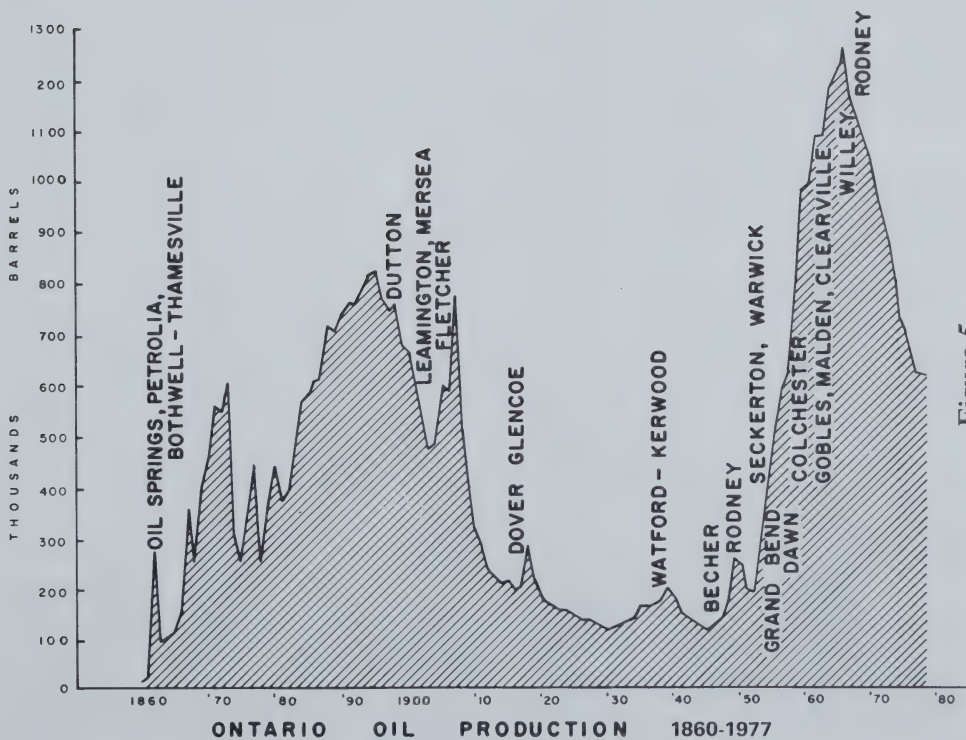


Figure 5

TABLE 11 – ONTARIO GAS FIELDS, WELLS, AND PRODUCTION – 1977
Quantities in Mcf

County	Field	Township	Producing Formations	Wells Susp. Active		Average Shut-in W.H.P. p.s.i.a.	Production Mcf	Firms Producing
Brant	Brant	All Townships	Irondequoit	—	25	114	21,349	Hyslop
Elgin	Cowal	Dunwich	A2 Carbonate A1 Carbonate Guelph	—	3	368	14,705	Union
	Mosald	Aldborough	A2 Carbonate A1 Carbonate Grimsby	—	10	385	86,708	Union
	Silver Creek	Lake Erie	Guelph Thorold Grimsby	38	29	632	1,800,304	Consumers'
Haldimand	Haldimand	All Townships	Thorold Grimsby Whirlpool	45	197	142	77,371	Various
	Maitland	Lake Erie	Thorold Grimsby Whirlpool	2	60	543	823,561	Anschutz, Place
	Selkirk	Lake Erie	Grimsby	4	33	150	235,669	Place, Mitchell, C.W.P.
Kent	Botany	Howard	A1 Carbonate	—	2	460	14,985	Cameron
	Camden Gore	Camden	A2 Carbonate A1 Carbonate Guelph	—	13	375	56,238	Union
	Chatham	Chatham	A2 Carbonate A1 Carbonate Guelph	1	17	313	61,292	Union, York
	Dover	Dover	Gull River	2	3	285	66,941	Union
	D'Clute	Raleigh	Guelph	—	1	250	7,236	Union
	D'Clute	Lake Erie	A2 Carbonate	—	11	436	110,184	Norcen, C.W.P.
	Morpeth	Howard	A2 Carbonate	3	8	192	27,840	Pegg
	Tilbury	Tilbury East	A2 Carbonate A1 Carbonate Guelph	—	52	126	269,165	Union
	Tilbury	Lake Erie	A1 Carbonate Guelph	2	77	231	752,389	C.W.P.
	Wolfe Zone	Harwich Zone	A2 Carbonate A2 Carbonate A1 Carbonate	— 4	1 36	730 232	6,610 59,901	MacKay Union
Lambton	Becher West	Sombra	A1 Carbonate	11	29	210	76,854	Murphy
	Brigden	Moore	A1 Carbonate	—	2	—	68,003	Consumers'
	Corunna	Moore	A1 Carbonate Guelph	—	1	76	1,834	Imperial
	Cromar	Moore	Guelph	1	1	640	37,428	Lee
	Dawn #1	Dawn	A2 Carbonate A1 Carbonate	—	7	110	23,652	Union
	Dawn (Misc.)	Dawn	A2 Carbonate A1 Carbonate Guelph	12	10	636	83,927	Various
	Enniskillen 26	Enniskillen	Guelph	3	1	458	7,747	Union
	Oil Springs East	Enniskillen	Guelph	—	—	—	655,384	Husky
	Otter Creek	Sombra	A1 Carbonate	3	3	—	61,829	Ram, Shawnee
Middlesex	Otter Creek East	Sombra	Guelph	—	4	510	12,718	Brett, Cameron
	Ekfrid	Ekfrid	Cambrian	3	1	255	11,000	A.I.S.
	Clear Creek	Lake Erie	Thorold Grimsby	32	29	632	922,546	Consumers'
	Dover	Lake Erie	Thorold Grimsby	9	81	367	929,069	C.W.P., Mitchell, Place
	Hemlock	Houghton	Grimsby	1	6	620	89,543	Meylow, Shawnee
Norfolk	Norfolk	All Townships	Irondequoit	45	178	225	694,142	Various
	Wilsonville South	Townsend	Grimsby Thorold Grimsby	8	16	215	41,839	Various
Oxford	Brownsville	Dereham	Guelph	—	2	352	9,085	Forbes
	Innerkip	Blandford	Cambrian	1	8	247	163,881	Nith River, Ameracrude
	Norwich South	South Norwich	Irondequoit	—	1	175	2,764	Starlite
Welland	Welland	All Townships	Irondequoit Thorold Grimsby	6	76	92	102,023	Various
Wellington	Arthur	Arthur	Black River	2	—	258	38,249	Kenartha
GRAND TOTALS				238	1,034		8,525,965	

TABLE 12 – PERCENT OIL PRODUCTION BY AGE, 1973-1977

FORMATION AGE	1973	1974	1975	1976	1977
Devonian	45.6	48.0	40.6	44.6	39.2
Silurian	35.2	31.2	31.0	32.1	36.7
Ordovician	1.6	2.0	1.6	1.6	2.4
Cambrian	21.6	19.0	23.2	21.7	21.7
TOTAL	100%	100%	100%	100%	100%
TOTAL PRODUCTION (thousand bbls.)	809	734	704	622	617

TABLE 13 – OIL PRODUCTION BY COUNTY – 1977

County	Production Barrels	% of Ontario Total
Brant-Oxford	32,182	5.2
Elgin-Middlesex	263,887	42.8
Essex	14,661	2.4
Kent	39,196	6.4
Lambton	250,143	40.5
Middlesex-Huron	16,930	2.7
	616,999	100%

TABLE 14 – OIL PRODUCTION IN ONTARIO – 1973-1977
In Barrels

COUNTY	FIELD	1973	1974	1975	1976	1977
Elgin	Rodney	313,753	278,231	234,782	202,543	185,548
	Wallacetown	1,150	1,060	1,002	873	814
	Wiley	88,672	84,518	85,989	71,891	71,332
Essex	Colchester	8,632	8,566	7,377	7,017	6,244
	Kingsville	—	—	1,050	3,048	7,341
	Malden	3,627	2,724	3,035	2,512	2,286
	Ruscom River	437	80	688	75	534
Kent	Bothwell-Thamesville	9,147	9,368	9,035	9,493	9,379
	Chatham	2,798	1,894	1,443	2,063	3,339
	Clearville	31,818	31,415	24,112	25,251	24,414
	Dover	359	478	238	229	406
	Dresden	—	665	2,408	2,364	1,658
Lambton	Becher	50,408	55,899	60,373	52,358	46,355
	Bickford	—	—	90	100	—
	Brigden	2,701	2,849	2,231	2,216	2,333
	Brooke	18,327	19,503	23,614	21,911	21,796
	Corunna	26,759	32,987	23,205	19,896	18,141
	Dawn (Misc.)	6,037	4,138	8,269	5,522	7,493
	Dawn 156	2,028	1,150	3,550	4,136	3,851
	Dawn -Sombra	5,966	4,946	8,220	6,917	608
	Edys Mill	—	—	—	—	112
	Enniskillen 30	—	—	—	—	7,341
	Ladysmith	60,221	46,504	36,393	27,860	24,308
	Oil Springs	20,528	21,013	23,267	24,012	24,324
	Oil Springs East	—	110	598	160	719
	Osborne	—	—	—	8,212	5,697
	Petrolia	19,998	17,494	17,323	19,486	20,627
	Petrolia East	33,890	26,357	23,599	20,628	22,221
	Seckerton	19,387	—	28,538	24,617	25,331
	Shetland	—	60	59	59	29
	Sombra (Misc.)	—	290	688	1,821	195
	Sombra 6-28-IX	—	171	232	—	—
	Sutorville	2,082	2,341	1,882	—	1,459
	Wanstead	7,699	7,489	5,625	5,011	4,423
	Warwick	11,749	10,053	9,292	8,688	8,987
	Welch	—	—	1,869	—	—
	West Cromar	729	1,699	2,724	3,438	3,673
	Wilson Croft	—	—	—	—	149
Middlesex/Huron	Efrid	—	6,002	11,183	3,075	6,193
	Glencoe	2,920	693	178	—	—
	Grand Bend	5,644	6,346	6,038	5,185	15,739
	Mosa	1,672	1,593	1,316	1,313	1,161
Oxford	Gobles	53,621	48,769	41,293	34,085	31,397
	Innerkip	932	986	472	360	785
TOTALS		813,691	738,441	713,280	628,425	618,742

PART II – STATISTICAL SUMMARY

Geophysical Activity

During 1977, 31 licences to conduct geophysical or geochemical exploration for oil or gas in Ontario were issued. As noted in the introduction, Ontario experienced a sharp increase in this activity, from 487 miles run in 1976 to a 1977 total of 2,158 miles. The increase was mainly apparent in Huron, Lambton and Middlesex Counties. Approximately 46% of the seismic activity was run in Huron County, 34% in Lambton County and 11% in the Middlesex County. Seismic crews were also busy on Lake Erie and a total of 147 miles were shot. Of the total crew months, 2.1 were attributed to gravity, 29.4 to seismic and 3.5 to magnetic surveys, for a total of 35 crew months. Geophysical activity in Ontario during 1977 has been summarized in Table 1.

LEASING

Southwestern Ontario

A total of 230 licences to lease were issued during 1977, compared with 195 during the previous year. The total acreage acquired on land amounted to 534,724 acres as compared with 373,087 acres leased during the previous year; this represents an increase of 45% over 1976. Table 2 shows the acreage leased in Southwestern Ontario from 1975 to 1977. It should be noted that these figures only represent new acreage leased on freehold lands and therefore do not reflect total acreage under lease. Further, assignments are not included in these figures. The total increase in leasing activity of 161,637 acres may be attributed primarily to 4 counties: Kent, Lambton, Middlesex, and Perth. There were an additional 67,049 acres leased in Kent representing a 17 fold increase over the previous year, similarly, in Lambton County, an increase of 33,087 acres was realized for a two fold increase over the previous year. In Middlesex County three and a half times as many acres were leased as in 1976 for a total of 115,044. In Perth County 35,280 acres were added in 1977 for an increase of 70 times that of 1976 and in Waterloo, Welland and Wellington Townships 24,192 acres were leased in 1977 where none had been leased in 1976. For most other counties leasing activity remained about the same. A notable exception is Huron County where leasing activity fell from 236,400 acres in 1976 to 182,942 acres in 1977, and in Norfolk County where the 1977 leasing activity fell to 5,429 acres from the previous year's 30,450.

Lake Erie

In addition to the above responsibilities, the Section also administers Lake Erie Regulations governing disposition of natural gas, Licences of Occupation and Leases within Lake Erie under Ontario Regulations 546/71 made under The Mining Act.

Transactions involving Crown acreage in Southwestern Ontario were again restricted to Lake Erie. The status of drilling in the other Great Lakes, specifically Lake Huron and Lake St. Clair, may be re-examined at some point in the near future by the International Joint Commission. However,

until that time, drilling permits will only be issued for that portion of Lake Erie east of Pt. Pelee and production will continue to be limited to natural gas only.

During 1977 all available acreage in Lake Erie remained under disposition to 7 operators. Table 3 shows acreage licensed and leased for the period 1972 to 1977. Total acreage under disposition remained the same in 1977 at 2,702,166 acres; although, 49,140 acres were converted from an Exploratory Licence of Occupation to a Production Lease. Of the 7 operators within the lake, Consumers' Gas Company, of Toronto, and Anschutz (Canada) Exploration Limited, of Calgary, are the major landholders. Together they hold mineral rights for over 92% of the Canadian side of Lake Erie.

Land rental and royalty payments to the Crown during the calendar year of 1977 for Lake Erie were \$354,123.20 for Licences of Occupation, \$123,027.59 for Leases, and \$443,847.36 for royalties. The increase in royalties over the previous year is a result of increased production rather than any modification to the Crown's royalty formula.

TABLE 15 – PERCENT GAS PRODUCTION BY AGE – 1973-1977

FORMATION AGE	1973	1974	1975	1976	1977
Clinton-Cataract	42	51	19	44	34
Salina-Guelph	54	42	79	51	56
Ordovician	2	2	1	2	4
Cambrian	2	5	1	3	6
TOTAL PRODUCTION (MMcf)	3,133	2,205	5,276	2,110	2,952

**TABLE 16 – GAS PRODUCTION BY COUNTY – 1977
(Onshore Production Only)**

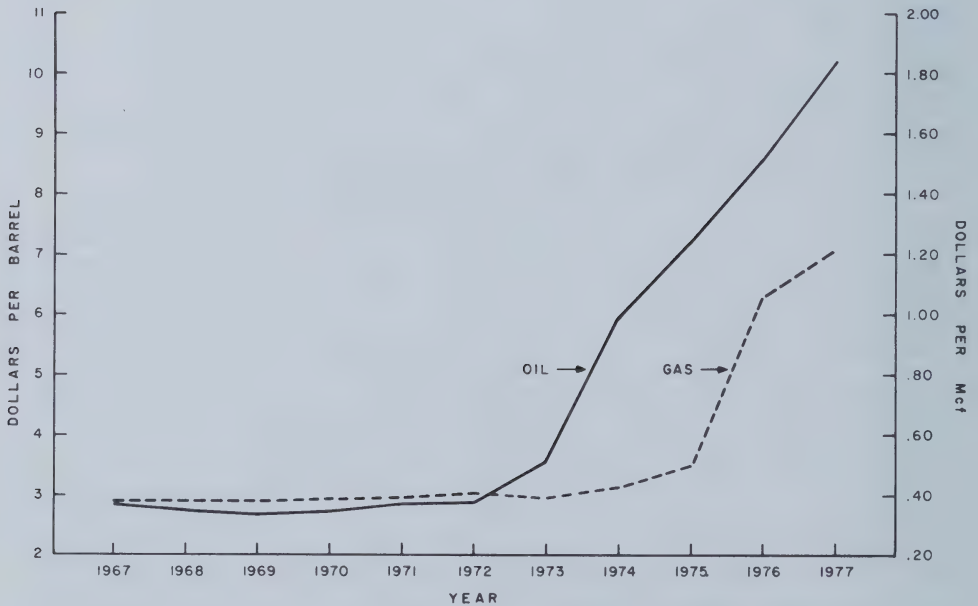
County	Production Mcf	% of Ontario Production
Brant	21,349	0.7
Elgin	101,413	3.4
Haldimand	77,371	2.6
Kent	570,208	19.3
Lambton	1,029,376	34.8
Middlesex	11,000	0.4
Norfolk	825,527	28.0
Oxford	175,730	6.0
Welland	102,023	3.5
Wellington	38,249	1.3
TOTAL	2,952,246	100.0

Hudson and James Bay Lowlands

The Petroleum Resources Section administers most of the functions with respect to licensing and leasing of oil and gas rights on Crown Lands in the Hudson and James Bay Lowlands. These functions are administered under Regulation 604 R.S.O. 1970, which regulates the oil and gas Licences of Occupation and Leases on Crown Lands above the 51st parallel of latitude. No petroleum or natural gas licences or leases were held or issued in this area during 1977.

TABLE 17 – LAKE ERIE GAS WELLS & PRODUCTION – 1977
at 14.73 p.s.i.a.

County	Field or Pool	Wells		Average Shut-in W.H.P.	Production Mcf
		Suspend	Active		
Elgin	Silver Creek	38	29	632	1,800,304
Essex	Atlas	6	—	—	—
	D'Clute	—	11	436	110,184
Kent	Glasgow	15	—	—	—
	Talbot	14	—	818	—
	Tilbury	2	77	231	752,389
Haldimand	Maitland	2	60	543	823,561
	Selkirk	4	33	150	235,669
Norfolk	Clear Creek	32	29	632	922,546
	Dover	9	81	367	929,069
Welland	Colborne	19	—	—	—
GRAND TOTALS		141	320		5,573,722



**Figure 7 – Average Annual Price Paid for
Indigenous Crude Oil & Natural Gas**

DRILLING

A summary of wells drilled during 1977, by classification and by county and township, is shown on Table 4. A total of 189 wells were drilled during 1977, up somewhat from the 159 wells reported in 1976. Similarly, total footage increased to 320,775 from the 250,964 ft. figure drilled in 1976. Of the 189 wells drilled, 57 were classified as exploratory (compared with 58 from the previous year), 113 as development (compared with 92 from the previous year), and 19 in the "other" category which compares with 9 from the previous year. The "other" category includes wells drilled for L.P.G. storage, gas storage and brine protection. Significant discovery wells and dry hole tests are listed in Tables 5 and 6 respectively. Tables 7 and 8 summarize target formations by geological age and their respective production success ratios.

Southwestern Ontario

A total of 124 wells were drilled on land in Southwestern Ontario, up 43% from the previous year. Of this total, 36 were drilled as exploratory wells, with 15 completed as gas producers, 2 as oil producers and 19 were dry for a total footage of 64,540. Of the 69 development wells drilled, 47 were completed as gas producers, 10 as oil producers and 12 were dry for a total footage of 101,932. These figures represent a 19% success ratio for exploratory tests and 83% for development wells. The 29 drilled in the "other" category accounted for a total of 27,905 feet. They include 3 brine production wells, 12 wells drilled for gas storage and 4 petroleum products storage wells.

Lake Erie

During 1977, 4 drilling rigs were active on Lake Erie. Two rotary jack up barges and 1 floating drill ship were operated by Underwater Gas Developers Limited (a wholly-owned subsidiary of Consumers' Gas Company, Toronto); specifically, the "Mr. Neil" and "Timesaver II" jack up barges and the "Telesis" floating drill ship. A cable tool jack up platform owned and operated by Place Gas & Oil Company of Toronto was also active. During 1977 sixty-five wells were drilled in Lake Erie as compared with 72 wells for the previous season, for a total footage of 126,505 as compared with 108,954 feet drilled during 1976. Of the 65 wells, 21 were classified as exploratory and 44 were drilled as development wells. Eight of the exploratory tests were completed as gas producers and 13 were dry, for a total footage of 45,166. Of the 44 development wells, 26 were completed as gas producers and 18 were dry, for a total footage of 81,339. These figures represent a 38% success ratio for exploratory wells and a 59% success ratio for development wells. A summary of Lake Erie drilling is shown on Table 9 and a history of Lake Erie drilling activity is shown in Figure 2.

All of the exploration and development drilling was done by the Consumers' Gas Company of Toronto with the exception of 4 wells drilled by Place Gas & Oil Company. Continued effort was made by all Lake Erie operators to plug or re-work marginal wells in accordance with the policies established and designed by agreement between industry and government.

PRODUCTION

Details of oil and gas production by field and pool are shown on Tables 10 and 11 respectively. Crude oil production in Ontario during 1977, amounted to 618,742 barrels representing a one-half of 1% decrease from the previous year. This figure represents 0.3% of total 1977 Ontario crude oil requirement.

Natural gas production in Ontario increased approximately 72% from the previous year for a total output of 8,525,965 Mcf, for 1977, as compared to 4,957,616 Mcf for 1976. During 1976, many local fields were shut-in owing to provincial oversupply of gas. The increase can therefore be attributed to a return to normal production capability of Ontario gas fields. Provincial output supplied about 1.2% of the total Ontario requirement. A graphic history of oil and gas production is shown in Figures 5 and 6 respectively.

The average wellhead price per barrel of oil during 1977 was \$10.73 giving a net value to producers of \$6,639,101.60. The average wellhead price of gas produced was \$1.21 per Mcf, giving a net value to the producers of \$10,316,417.00. Figure 7 shows the average annual price paid for indigenous crude oil and natural gas for the period 1967 to 1977.

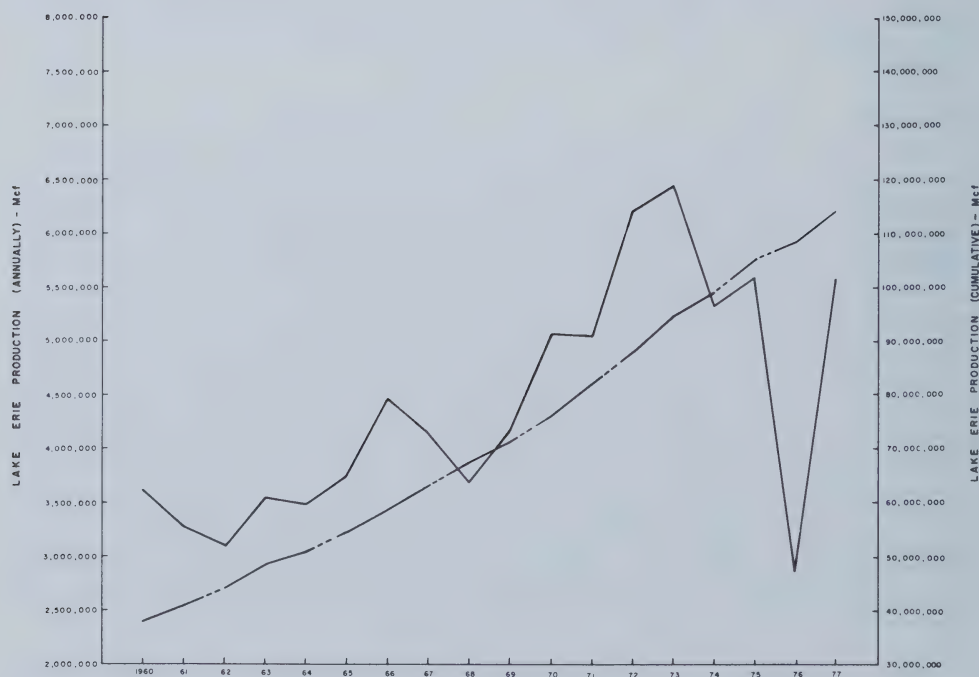


Figure 8 – Lake Erie Production

TABLE 18 – GAS PRODUCTION – 1973-1977
in Mcf

County	Field or Pool	1973	1974	1975	1976	1977
ELGIN	Silver Creek	1,019,202	1,321,965	1,636,314	444,361	1,800,304
	Bayham	200	5,700	—	—	—
	Cowal	15,052	9,652	14,309	8,719	14,705
	Mosald	92,282	32,981	74,445	56,081	86,708
	Willey	57,198	—	—	—	—
ESSEX	Atlas	722,503	434,257	22,008	—	—
	Oxley	844	—	—	—	—
BRANT						
HALDIMAND	Haldimand (Offshore)	808,512	813,218	702,251	305,037	1,059,230
	Haldimand & Brant	128,247	131,691	121,677	112,040	98,720
LINCOLN (NIAGARA)	Lincoln	14,849	9,963	6,484	12,905	—
HALTON	Acton	11,261	—	—	—	—
KENT	Botany	43,572	46,985	16,224	144	14,985
	Camden Gore	79,288	16,723	62,379	49,739	56,238
	Chatham	91,365	57,232	67,041	65,279	61,292
	D'Clute (Lake)	302,039	114,988	209,743	100,562	110,184
	D'Clute (Land)	20,323	8,126	13,911	12,507	7,236
	Dover	10,303	10,452	35,643	46,613	66,941
	Morpeth (Land)	32,195	24,671	25,320	28,481	27,840
	Tilbury (Lake)	1,113,388	518,930	900,088	833,372	752,389
	Tilbury (Land)	343,603	135,891	398,765	363,028	269,165
	Wolfe	9,552	7,792	1,664	6,844	6,610
	Zone	129,930	44,601	77,468	58,541	59,901
LAMBTON	Avonry	43,377	28,880	196	—	—
	Becher East	16,684	10,947	8,064	11,236	—
	Becher West	116,260	76,280	56,169	72,129	76,854
	Brigden	115,755	75,217	67,024	31,700	68,003
	Corunna	—	3,484	3,152	3,332	1,834
	Cromar East	73,013	47,680	54,321	30,184	37,428
	Cromar West	17	—	—	—	—
	Dawn Misc	61,559	55,273	92,457	63,547	83,927
	Dawn No. 1	—	10,886	22,258	20,191	23,652
	Dawn 156	14,457	2,373	—	—	—
	Dawn 167	66,136	58,965	107,462	10,130	—
	Enniskillen 26	6,851	359	—	—	7,747
	Enniskillen 28	49	—	15	3,011	—
	Mandamin	13,579	3,667	770	—	—
	Oil Springs East	—	—	—	—	655,384
	Otter Creek	232,858	156,321	123,330	124,390	74,547
	Rosedale	2,637	—	2,820,536	—	—
MIDDLESEX	Ekfrid	5,829	50,187	—	5,710	11,000
NORFOLK	Norfolk (Lake)	1,816,558	1,687,601	1,991,712	1,164,465	1,851,615
	Norfolk (Land)	982,410	811,341	689,533	666,618	783,685
	Wilsonville	—	—	—	—	—
	Wilsonville South	29,617	29,095	81,060	24,117	41,839
OXFORD	Brownsville	—	—	—	—	9,085
	Gobles	3,765	4,596	—	—	—
	Innerkip	64,530	64,599	61,270	67,941	163,881
	Norwich South	7,989	3,233	1,978	1,368	2,764
	Verschoyle West	1,999	—	—	—	—
WELLAND (NIAGARA)	Welland (Lake)	612,978	440,831	196,945	—	—
	Welland (Land)	142,649	123,388	118,481	111,476	102,023
WELLINGTON	Arthur	45,724	45,932	45,004	41,818	38,249
TOTALS		9,522,988	7,536,953	10,927,471	4,957,616	8,525,965

Crude Oil

The bulk of oil produced in Ontario continued to come from pools producing from Devonian formations, particularly the Rodney Pool, which produced 30% of the Provincial total. Rodney production continued to decline, producing 8% less oil than in 1976. The oldest producing oil fields in Ontario, Oil Springs and Petrolia, combined to produce approximately 11% of the total 1977 production, some 4% more than was produced during 1976.

Silurian production provided 37% of the total, with the most notable pools being the Becher Pool, recording a 12% reduction, the Ladysmith Pool, recording a 11% reduction, the Petrolia East Pool, recording an increase of 8%, and the Seckerton Pool, recording a 3% increase in production. The Brooke and Corunna pools produced an average of 21,000 barrels, down 4% from the previous year's production.

Table 10 shows the oil fields, wells and production during 1977 with Tables 12 and 13 proportioning the total production by age and by county. A summary of oil production in Ontario for 1973 to 1977 is shown on Table 14.

Natural Gas

During 1977 the total production on land in Southwestern Ontario amounted to 2,952 MMcf. The total offshore production was 5,574 MMcf, providing 65% of Ontario's annual natural gas production.

Southwestern Ontario

The amount of gas produced on land increased by 40% over the 1976 figure. Lambton County was the source of the greatest proportion of Ontario's indigenous natural gas production, accounting for 35% of the total. Most of this production can be attributed to Oil Spring's East Pool which came on stream in 1977. A total of 655,384 Mcf of gas was produced from the Oil Spring's East Pool.

Norfolk County accounted for the second greatest proportion of Ontario gas production, some 28% of the total. Numerous wells producing from small fields, scattered across the county, accounted for 80% of the total Norfolk County production. The remaining 20% was produced from the Hemlock and Wilsonville South fields. Kent County accounts for 19% of the total onshore Ontario production where gas is being produced from the Salina-Guelph formations of several fields, the most notable being Camden Gore, Chatham, Dover and Zone. Together, these fields account for 43% of the Kent County production. The remaining 18% of Ontario's indigenous gas production comes from Elgin, Haldimand, Oxford, Welland and Wellington Counties.

Lake Erie

During 1977 a total of 5,573,722 Mcf of gas was produced from Lake Erie, accounting for 65% of the gas produced in Ontario. This figure compares

TABLE 19 -- GAS STORAGE -- SOUTHWESTERN ONTARIO

Reservoir	Zone	Status	Operator	Working Capacity at Original Reservoir Pressure (bcf)	Original Reservoir Pressure (p.s.i.g.)	Working Capacity when delta pressured (bcf)	Reservoir Pressure when delta Pressured (p.s.i.g.)
Bentpath	G,A-1	Active	Union	3.92	867	5.58	1,234
Bickford	G,A-1	Active	Union	14.15	928	19.25	1,263
Corunna	G,A-1	Active	Tec.	3.50	943	5.32	1,434
Crowland	Whirlpool	Active	Cons.	.40	500	.50	628
Dawn No. 1	A-1,A-2	Inactive	Union	.88	760	1.22	1,050
Dawn 156	G,A-1	Active	Union	20.54	880	31.21	1,337
Dawn 167	G,A-1	Inactive	Union	5.00	906	7.10	1,286
Dawn 47-49	G,A-1	Active	Union	3.38	865	4.01	1,027
Dawn 59-85	G,A-1,A-2	Active	Union	4.01	865	4.89	1,054
Kimball Collinville	G,A-1	Active	Tec.	29.70	919	42.75	1,323
Payne	G,A-1	Active	Union	12.53	877	18.67	1,307
Rosedale	G,A-1	Active	Union	2.46	939	3.41	1,301
Seckerton	G,A-1	Active	Tec.	9.00	940	13.26	1,400
Sombra	G,A-1	Active	Union	1.80	939	2.64	1,374
Terminus	G,A-1	Active	Union	8.25	866	11.50	1,207
Waubuno	G,A-1	Active	Union	6.59	931	9.63	1,360
Zone	A-1,A-2	Active	Union	3.60	721	5.16	1,034
TOTAL				129.71		186.10	

TABLE 20 – ONTARIO NATURAL GAS BALANCE – 1977

	Thousands Cubic Feet*	Thousands of Cubic Metres 101.325 kPa and 15° C	Percent of Total	Percent Changes 1977/76 1976/75	
Supply					
Ontario Production	8,525,965	241 522	1.2	71.9	-54.7
Receipts from Western Canada	723,330,903	20 490 402	98.8	1.1	3.0
TOTAL SUPPLY	731,856,868	20 731 924	100.0	-0.5	1.2
Disposition					
Sales to consumers	665,092,373	18 840 631	90.9	-1.8	6.2
Free Gas	22,703	643	0.0	-21.0	8.2
Company Use	23,033,569	652 491	3.1	12.5	5.8
TOTAL CONSUMPTION	688, 148,645	19 493 765	94.0	-1.4	6.2
Gas to Storage	21,264,664	602 382	2.9	N/C	N/C
Gas to Province of Quebec	7,337,917	207 867	1.0	191.7	81.4
Exports to U.S.A.	15,123,995	428 430	2.1	17.5	4.6
Line Pack	5,226,516	148 056	0.7	N/C	N/C
Metering, Line Loss and Other Unaccounted for	-5,244,869	-148 576	-0.7	N/C	N/C
TOTAL DISPOSITION	731,856,868	20 731 924	100.0	-0.5	1.2

*At 14.73 psia and 60° F

Note: N/C = Not Comparable

Source: Ministry of Energy

with 2,847,797 Mcf produced during 1976. Together, Elgin and Norfolk Counties account for 65% of the Lake Erie gas production. The remaining gas is produced from Haldimand and Kent Counties, which account for 19% and 15%, respectively, of the total natural gas produced from Lake Erie.

In September of 1977 producing wells drilled by Anschutz (Canada) Exploration Limited offshore in Haldimand County came on stream. A total of 705,702 Mcf of gas was produced from 36 wells accounting for two-thirds of the natural gas produced from offshore Haldimand County. Anschutz (Canada) Exploration Limited continued drilling in 1978. Pending pipeline development and hook-up of these additional wells, Anschutz should become a major producer of natural gas from Lake Erie in the future. To the end of 1977 a total of 1,038 wells have been drilled in Lake Erie and cumulative production has been 113,912 MMcf of natural gas. Of the 1,038 wells drilled, just over 350 wells are currently producing and 75 are awaiting hook-up. The provincial oversupply problems plaguing 1976 production did not extend into 1977 and all of the Lake Erie gas fields were being produced at their maximum capacity.

Gas production by county is shown on Table 16 and gas production in Lake Erie is on Table 17. The history of gas production in Ontario from 1973 to 1977 is shown on Table 18 and the history of offshore production in Lake Erie is noted in Figure 8.

TABLE 21 – SUMMARY OF SALT CAVERN STORAGE

[illegible]

Gas Storage

Table 19 lists the gas storage pools in Southwestern Ontario. No new storage pools were authorized or designated during 1977, therefore total working capacity of the pools remains at 129 billion cubic feet when the pools are filled to their original reservoir pressure. However, storage pool operators have been adding gas to the storage reservoirs so that the working pressure of the reservoirs is now greater than the original reservoir pressure, a process known as delta-pressuring. The pressure is increased in each of the storage pools until the reservoir pressure is two-thirds of the overburden stress. As a result of this delta-pressuring, storage capacity of the pools has been increased to 186 billion cubic feet. All pools, with the exception of the Crowland Pool in Welland County, are located within Lambton County.

Gas Receipts and Disposition

A summary of the Ontario gas balance for 1977 is shown on Table 20.

Salt Cavern Storage

A summary of the petroleum products storage caverns is shown on Table 21.

PART III – LICENCING

**Table 22 – Persons Licensed to Conduct
Geophysical – Geochemical Exploration**

Amoco Canada Petroleum Co. Ltd.	Calgary, Alta.
Anschutz (Canada) Exploration Ltd.	Calgary, Alta.
Bluewater Oil & Gas Ltd.	Calgary, Alta.
Bowman Development Ltd.	Calgary, Alta.
Canada-Cities Service Ltd.	Calgary, Alta.
Canadian Superior Oil Ltd.	Calgary, Alta.
Chemical Projects Ltd.	Rexdale, Ont.
Colfax Surveys Ltd.	Calgary, Alta.
Consumers' Gas Co.	Toronto, Ont.
Electraflex Surveys Ltd.	Calgary, Alta.
Elexco Ltd.	London, Ont.
FitzGerald, Norman D.	Abilene, Texas
Gibraltar Mfg. Co.	Port Huron, Mich.
Kenting Exploration Services Ltd.	Calgary, Alta.
McClure Oil Co.	Alma, Mich.
McClusky, J.B. Ltd.	Willowdale, Ont.
McCullom, E.V. & Co.	Tulsa, Oklahoma
Michigan Oil Co.	Alma, Michigan
Mid Eastern Oil & Gas Ltd.	London, Ontario
Murphy Oil Co. Ltd.	Calgary, Alta.
New Unisphere Resources Ltd.	Newmarket, Ontario
Pacific Petroleums Ltd.	Calgary, Alta.

**Table 22 – Persons Licensed to Conduct
Geophysical – Geochemical Exploration – cont'd.**

Pounder, Harmon & Hill Inc.	London, Ontario
Ram Petroleum Ltd.	Toronto, Ontario
Rowe, E.P. Oil Ltd.	Bright's Grove, Ont.
Seis-Ex Geophysical Ltd.	Don Mills, Ontario
Shell Canada Resources Ltd.	Calgary, Alta.
Spelman Prentice	Casper, Wyoming
Total Petroleum Ltd.	Calgary, Alta.
Union Gas Co. of Canada Ltd.	Chatham, Ont.

Table 23 – Persons Licensed to Lease Oil or Gas Rights

A.I.S. Resources Ltd.	London, Ontario
Amoco Canada Petroleum Co. Ltd.	Calgary, Alta.
Anschutz (Canada) Exploration Ltd.	Calgary, Alta.
Anvil Investments Ltd.	Islington, Ont.
Arthur, David J.	Calgary, Alta.
Ashland Oil Can. Ltd.	London, Ontario
Astalnok, Julius J.	Calgary, Alberta
Bagnall, Gregory L.	London, Ontario
Bear Creek Resources Ltd.	Toronto, Ontario
Bell Stewart M.	Barrie, Ontario
Berry, Daniel S.	London, Ontario
Bishop, Arthur A.	Calgary, Alta.
Bishop, Philip R.A.	London, Ontario
Bluewater Oil & Gas Ltd.	Calgary, Alta.
Bodyk, Jeffrey M.	Edmonton, Alta.
Bowhomme, Jean-Claude	Agincourt, Ontario
Bowman Development Ltd.	Calgary, Alta.
Bowman, H.E.	Calgary, Alta.
Bowman, Stuart A.	Ottawa, Ontario
Boyce, G.D.	Chatham, Ontario
Braund, Ritchie	Calgary, Alta.
Brett, Harold B.	London, Ontario
B.R.O. Resources Ltd.	Lambeth, Ontario
Burt, R.R.	Hillsburgh, Ontario
Burt, W.	London, Ontario
Burton, John T.	Islington, Ontario
Caley, Thomas G.	Metamora, Michigan
Cameron Petroleum Ltd.	London, Ontario
Canada-Cities Service Ltd.	Calgary, Alta.
Canadian Superior Oil Ltd.	Calgary, Alta.
Carver, Anthony S.	London, Ontario
Chittim, Glen	Chatham, Ontario
Clarke, G.W.	London, Ontario
Clarysse, Roger	Simcoe, Ontario
Coatsworth, T. Emerson	Chatham, Ontario
Coldicott, J.	Toronto, Ontario
Connolly, T.L.	Calgary, Alberta
Consolidated Midvale Exploration Ltd.	Toronto, Ontario

Table 23 – Persons Licensed to Lease Oil or Gas Rights – cont'd.

Consolidated West Petroleum Ltd.	Calgary, Alta.
Consumers' Gas Co.	Toronto, Ontario
Corden, B.B.	St. Clair, Mich.
Craven Oil Company Ltd. Inc.	Dallas, Texas
Crawford, K.E. Ltd.	Chatham, Ontario
Critchfield, G.F.	Watford, Ontario
Dargie, Robin.	Pickering, Ontario
Davidson, Robert G.	Calgary, Alberta
Dekker, Clarence	Chatham, Ontario
Dickinson Mines Ltd.	Toronto, Ontario
Dome Petroleum Ltd.	Calgary, Alberta
Dow Chemical Co. of Canada Ltd.	Sarnia, Ontario
Dustan, J.	Toronto, Ontario
Elecco Ltd.	London, Ontario
Elford, Robert D.	Calgary, Alta.
Emerson, H.	Dunnville, Ontario
Erieshore Industries Inc.	Toronto, Ontario
Falcon Resources Ltd.	Calgary, Alta.
Falk E.	Calgary, Alta.
FitzGerald, Norman D.	Abilene, Texas
Fotty, Cecil A.	Calgary, Alta.
Fraser, C. Douglas	London, Ontario
Fulcher, Jack H.	Brantford, Ontario
Gabrieau, Larry	London, Ontario
Gaiswinkler Enterprises Ltd.	Chatham, Ontario
Gaiswinkler, Leo F.	Chatham, Ontario
Gasoil Financial Corporation	Port Lambton, Ont.
Gibraltar Mfg. Co.	Port Huron, Mich.
Girling, W.H.	Toronto, Ontario
Glenfred Gas Wells Ltd.	Jarvis, Ontario
Gourlay, Alasdair E.	Calgary, Alta.
Hall, Leslie	Brigden, Ontario
Harris, Richard B.	Toronto, Ontario
Hayes, Alasdair B.B.	Maple, Ontario
Hemlock, Explorations	Langton, Ontario
Herlufsen, Bent E.	London, Ontario
Herringer, J.G.	Calgary, Alta.
Hodgson, John L.	Guelph, Ont.
Hodgson, Lewis	Langton, Ontario
Hodgson, Wayne Lewis	Tillsonburg, Ont.
Hoskin, John L.	Calgary, Alta.
Howard, Robert K.	Medicine Hat, Alta.
Ilott, W.W.	Calgary, Alta.
Imperial Oil Enterprises Ltd.	Chatham, Ontario
Imperial Oil Limited	Chatham, Ontario
International Norvalie Mines Ltd.	Toronto, Ontario
Jasper Oils Ltd.	Calgary, Alta.
Jeffrey, Sydney J.	London, Ontario
Johnson, David L.	London, Ontario
Johnson, Kirsten	London, Ontario

Table 23 – Persons Licensed to Lease Oil or Gas Rights – cont'd.

Johnson, R.D.	London, Ontario
Kam-Kotia Mines Ltd.	Toronto, Ontario
Keenan, E.J.	Chatham, Ontario
Kempf, Donald J.	Calgary, Alta.
Kenartha Oil & Gas Co. Ltd.	Markham, Ontario
Kerkhof, John P.	London, Ontario
Kidd, Barron Ulmer	Dallas, Texas
Kiser, W.R.	Chatham, Ontario
Knode, William F.	Calgary, Alta.
Kriter, Robert E.	Lambeth, Ontario
Lancaster, J.	Toronto, Ontario
Langstaff, J.	Toronto, Ontario
Lannan, W.F.	Calgary, Alberta
Lawson, George R.	Chatham, Ontario
Lowrie, Donald F.	Tillsonburg, Ont.
Lunn, Robert J.	London, Ontario
MacCaskill, Randy E.	London, Ontario
MacQuarrie, D.L.	Calgary, Alta.
Maguire, R.C.	Calgary, Alta.
Malo, J.	Chatham, Ontario
Maniago, R.R.	London, Ontario
Mann, R.E.	Simcoe, Ontario
Manson, Donald	Calgary, Alta.
Marcus, Harold Ltd.	Bothwell, Ontario
Marsh, Everett M.	Brigden, Ontario
Marsh, Thomas L.	Bothwell, Ontario
McClure Oil Company	Alma, Michigan
McClusky, Betsy J.	Willowdale, Ont.
McClusky, Catherine J.	Toronto, Ontario
McClusky, J.B. Ltd.	Willowdale, Ont.
McClusky, John B.	Willowdale, Ontario
McClusky, Susan L.	Willowdale, Ontario
McCollum, E.V. & Co.	Tulsa, Oklahoma
McGee, Robert.	London, Ontario
McKenzie, D.F.	Sarnia, Ontario
McKenzie, D.I.	Waterloo, Ontario
McKenzie, Garry D.	Columbus, Ohio
McLachlin, D.A.	Wallaceburg, Ontario
McLean, A.S.	Calgary, Alta.
McLean, David	London, Ontario
McLean Investment Ltd.	Calgary, Alta.
McMillan, D.A.	Rodney, Ontario
McMillan, David A.	London, Ontario
McMillan, Gordon	Blenheim, Ontario
McMonigal, B.F.	Calgary, Alberta
McNally, Norman T.	Calgary, Alta.
McNamara, J.C.	Toronto, Ontario
McVittie, J. Neil.	Georgetown, Ont.
Mewha, D.J.	Calgary, Alta.
Meylow Oil Co. Ltd.	Tillsonburg, Ont.

Table 23 – Persons Licensed to Lease Oil or Gas Rights – cont'd.

Michigan Oil Co.	Alma, Michigan
Mid-Eastern Oil & Gas Ltd.	London, Ontario
Mid-North Engineering Services Ltd.	Toronto, Ontario
Mitchell, Philip.	London, Ontario
Moffat Lake Explorations Inc.	Toronto, Ontario
Morgan, John E.	Ailsa Craig, Ont.
Morrison, Robert J.	Langton, Ontario
Murphy Oil Co. Ltd.	Calgary, Alta.
New Metalore Mining Co. Ltd.	Simcoe, Ontario
New Unisphere Resources Ltd.	Newmarket, Ont.
Newport, Lorne T.	Wardsville, Ont.
Nichol, J.J.	London, Ontario
Norgas Development Ltd.	Simcoe, Ontario
Norman, J.L.	Calgary, Alta.
O'Brien, Deborah A.	Chatham, Ontario
O'Brien, Donald J.	Chatham, Ontario
O'Brien, Dorothy M.	Chatham, Ontario
Olimer, Jeffrey M.	London, Ontario
Onshore Petroleum Ltd.	Islington, Ont.
O'Shea, Henry J.	London, Ontario
Pacific Petroleum Ltd.	Calgary, Alta.
Palmer, J.D.	Calgary, Alta.
Pan Canadian Petroleum Ltd.	Calgary, Alta.
Parker, Ronald	Toronto, Ontario
Parsons, Norman C.	Calgary, Alta.
Patterson, Douglas	London, Ontario
Patterson, Edna K.	Chatham, Ontario
Patterson, W.F.	Chatham, Ontario
Pegg, Leonard A.	Morpeth, Ontario
Petrol Oil & Gas Co. Ltd.	Calgary, Alta.
Petrotech Inc.	St. Clair, Mich.
Pinetree Exploration Ltd.	Chatham, Ontario
Pittman, Craig	Calgary, Alta.
Place Gas & Oil Company Ltd.	Toronto, Ontario
Pounder, Harmon & Hill Inc.	London, Ontario
Prentice Spelman	Casper, Wyoming
Procan Resources	Toronto, Ontario
Ram Petroleum Ltd.	Toronto, Ontario
Rammeloo, Petrus O.J.	Blyth, Ontario
Rawlings Drilling Co. Ltd.	Chatham, Ontario
Rawlings, F.S.	Chatham, Ontario
Rayment, Oliver B.	Chatham, Ontario
Reich, Michael	Calgary, Alta.
Richards, Geoffrey W.G.	Camlachie, Ontario
Riddell, B.	Highland Park, Mich.
Riddell Hanna Exploration Ltd.	Highland Park, Mich.
Rife, K.C.	Galt, Ontario
Robin Red Lake Mines Ltd.	Toronto, Ontario
Roth, E.A.	Petrolia, Ontario
Roth & Roth Ltd.	Petrolia, Ontario

Table 23 – Persons Licensed to Lease Oil or Gas Rights – cont'd.

Rowe, E.P.	Brights Grove, Ont.
Rowe, E. Peter	Camlachie, Ontario
Rowe, M. McLellan	Brights Grove, Ont.
Samson, Gerald I.	Calgary, Alta.
Schiller, Thomas S.	Dallas, Texas
Schneider, John C.	Goderich, Ontario
Seis-Ex Geophysical Ltd.	Don Mills, Ontario
Seville, John H.	Calgary, Alta.
Shakleton, G. Alvin	Chatham, Ontario
Shaw, A.W.	Toronto, Ontario
Shawnee Petroleums Ltd.	Mississauga, Ont.
Shell Canada Resources Ltd.	Calgary, Alta.
Shirley, Robert D.	Orangeville, Ont.
Sidasa Petroleums Limited	New Dundee, Ontario
Smith, G.	Windsor, Ontario
Smith (Ron) Well Drilling Co. Ltd.	Denfield, Ontario
Southwest Petroleums	Windsor, Ontario
Starlite Gas Co. Ltd.	Lakeview, N.Y.
Stokowski, W.	Calgary, Alta.
Suburn Petroleums Ltd.	Toronto, Ontario
Suja, James	London, Ontario
Sultan Exploration Ltd.	Calgary, Alta.
Sunburst Oil Company	London, Ontario
Thibodeau, Leo J.	Windsor, Ontario
Thomas, D.W.	Port Elgin, Ont.
Thompson, John W.	Chatham, Ontario
Thompson, Kenneth L.	Goderich, Ontario
Total Petroleum (N.A.) Ltd.	Calgary, Alta.
Tundra Exploration Ltd.	Calgary, Alta.
Union Gas Co. Ltd.	Chatham, Ontario
Viewpoint Exploration Ltd.	Toronto, Ontario
Villani, Aldo M.	London, Ontario
Wassman, Steven C.	St. Clair, Michigan
Wellandport Gas Co. Ltd.	Dunnville, Ont.
Western Decalta Petroleum Ltd.	Calgary, Alberta
White Resources Management Ltd.	Calgary, Alta.
Wilson, D. Alexander	London, Ontario
Wilton, Beverly Howard	Toronto, Ontario
Wilton, Harold R.	Chatham, Ontario
Wiser Oil Company	Metormora, Michigan
Woods, Randolph C.	Calgary, Alta.
Wright, J.C.	Toronto, Ontario
Wrobel, John M.	London, Ontario

Table 24 – Persons Licensed to Produce Oil & Gas

A.I.S. Resources Ltd.	London, Ontario
Alexander, J.W.	Lowbanks, Ontario

Table 24 – Persons Licensed to Produce Oil & Gas – cont'd.

Ameracrude Inc.	Port Lambton, Ont.
Angelus Petroleums 1965 Ltd.....	Port Lambton, Ont.
Annett, R.M.	Bothwell, Ontario
Anschutz (Canada) Exploration Ltd.....	Calgary, Alta.
Atlas Oil & Gas Ltd.....	Chatham, Ontario
Ayrheart, Ellwood J.	Oil Spring, Ontario
Ayrheart, Orval & Irene	Petrolia, Ontario
Ayrheart, Roy & Marilynne	Petrolia, Ontario
Bear Creek Resources Ltd.....	Petrolia, Ontario
Benner, K.W.	Fisherville, Ont.
Bluewater Oil & Gas Ltd.....	Calgary, Alta.
Bowman Development Ltd.....	Calgary, Alta.
Bowman, H.E.	Calgary, Alta.
Bradford, W.D.....	Chatham, Ontario
Bradley, M.	Petrolia, Ontario
Brand, R.W.	Petrolia, Ontario
Brett, Harold B.	London, Ontario
Byers Bros.....	Oil Springs, Ont.
Byers, I.	Oil Springs, Ont.
Cameron Petroleums Ltd.	London, Ontario
Canada-Cities Service Ltd.	Charleston, W. Virginia
Colonial Petroleums Ltd.....	Chatham, Ontario
Comfort, N.E.	Chatham, Ontario
Consolidated Midvale Exploration Ltd.	Toronto, Ontario
Consumers' Gas Company	Toronto, Ontario
Cordon, Bruce B.	St. Clair, Michigan
Coronation Gas Syndicate	Stevensville, Ontario
Craven Oil Company Ltd. Inc.....	Dallas, Texas
Critchfield, G.F.....	Watford, Ontario
Dawn Petroleums	Wallaceburg, Ontario
Dean Construction Ltd.....	Tecumseh, Ontario
Den-Mar Brines Ltd.....	Bothwell, Ontario
Dow Chemical of Canada Ltd.....	Sarnia, Ontario
Edward, F.H. (Estate)	Petrolia, Ontario
Erieshore Industries Inc.	Toronto, Ontario
Fairbank, C.O.	Petrolia, Ontario
Fisherville Gas Syndicate	Fisherville, Ontario
FitzGerald, Norman D.	Abilene, Texas
Forbes Petroleum Limited	Tillsonburg, Ontario
Fox, E.S.	Welland, Ontario
Gaiswinkler Enterprises Ltd.	Chatham, Ontario
Gasoil Financial Corp. Ltd.	Port Lambton, Ont.
George, Eugene	Fort Erie, Ontario
Gibraltar Mfg. Co.	Port Huron, Michigan
Glenfred Gas Wells Ltd.....	Jarvis, Ontario
Hemlock Explorations	Langton, Ontario
Hollis IV Ltd.....	Wheatley, Ontario
Husky Oil Operations Ltd.....	Calgary, Alta.
Hyslop, George Ltd. Natural Gas. Div.....	Caledonia, Ontario
Imperial Oil Limited	Chatham, Ontario

Table 24 – Persons Licensed to Produce Oil & Gas – cont'd.

International Norvalie Mines Ltd.	Toronto, Ontario
IU Petroleum Corporation	Dutton, Ontario
Jacques, Willis N.	Petrolia, Ontario
Kenartha Oil & Gas Co. Ltd.	Markham, Ontario
Kodyen, L.M.	Sarnia, Ontario
Lee Marine Ltd.	Port Lambton, Ont.
Lejeune, L.F.	Fort Erie, Ontario
Lincoln Natural Gas Ltd.	Dunnville, Ontario
Linda Lee Syndicate	Fort Erie, Ontario
LMG Oils	Tillsonburg, Ontario
MacKay, A.E. Petroleum Ltd.	Clarkson, Ontario
Marcus, L.A.	Wallacetown, Ontario
Marr, Harvey	Wainfleet, Ontario
Marsh, Thomas L.	Bothwell, Ontario
Matheson, D.W. Electric Ltd.	Oil Springs, Ontario
McClure Oil Company	Alma, Michigan
Medina Natural Gas Co. Ltd.	Aylmer W., Ont.
Maylow Oil Co. Ltd.	Tillsonburg, Ont.
Michigan Oil Co.	Alma, Michigan
Mitchell, G.	Oil Springs, Ontario
Moffat Lake Explorations Inc.	Toronto, Ontario
Morningstar, George E.	Oil Springs, Ontario
Morningstar, Lorna	Oil Springs, Ontario
Morrison, Doris E.	Langton, Ontario
Morrison, Robert J.	Langton, Ontario
Mothersbaugh, A. & K. Donald & Helen	Oil Springs, Ontario
Mulgrave Gas Syndicate	Stevensville, Ontario
Murphy Oil Co. Ltd.	Calgary, Alta.
Mymryk, Wm.	Stevensville, Ont.
Nauman, J.R.	Fisherville, Ontario
New Metalore Mining Co. Ltd.	Simcoe, Ontario
New Unisphere Resources Ltd.	Newmarket, Ont.
Nith River Petroleums Ltd.	Galt, Ontario
Norcen Energy Resources Ltd.	Calgary, Alberta
Norgas Development Ltd.	Simcoe, Ontario
Onaco Petroleums Ltd.	Toronto, Ontario
Ort, C.H.	Niagara Falls, Ont.
Palsco, David	Ridgeville, Ontario
Pegg, L.A.	Morpeth, Ontario
Place Gas & Oil Company	Toronto, Ontario
Pope, W.	Bothwell, Ontario
Pounder, Harmon & Hill Inc.	London, Ontario
Putman, Scott J.	Petrolia, Ontario
Ram Petroleums Ltd.	Toronto, Ontario
Rayrock Mines Ltd.	Toronto, Ontario
Riddell Hanna Exploration Ltd.	High Park, Mich.
Roberts, C.H.	Coudersport, P.A.
Roth & Roth Ltd.	Petrolia, Ontario
Ruch, Ken	Stevensville, Ont.
Ruegg Gas	Ridgeway, Ontario

Table 24 – Persons Licensed to Produce Oil & Gas – cont'd.

S. & W. Oil Company	Watford, Ontario
Shawnee Petroleum Ltd.	Mississauga, Ont.
Simon, B.	Stevensville, Ont.
Sitler, Delbert R.	Wardsville, Ontario
South West Petroleum	Windsor, Ontario
Starlite Gas Company Ltd.	Lakeview, N.Y.
Stevenson, Dorothy	Petrolia, Ontario
Suburn Petroleum Ltd.	Toronto, Ontario
Sunburst Oil Co.	London, Ontario
Thompson, A.	Petrolia, Ontario
Tunks, James	Bothwell, Ont.
Union Gas Ltd.	Chatham, Ont.
Viewpoint Explorations Ltd.	Toronto, Ontario
Wellandport Gas Co. Ltd.	Dunnville, Ont.
Whorton Associates	Wellsville, N.Y.
Woods, Lloyd	Wyandotte, Mich.
York Producing Co. Ltd.	Bolivar, N.Y.
Yuez Gas Co.	Buffalo, N.Y.

Table 25 – Owners of Licensed Drilling Machines

Name	Address	No. of Rigs
Allied Drilling & Servicing Ltd.	Wardsville, Ont.	2
Canadian Longyear Ltd.	North Bay, Ont.	2
Casselman, Ramon H.	Williamsburg, Ont.	1
Corunna Petroleum Ltd.	Corunna, Ont.	2
Critchfield, G.F.	Watford, Ont.	1
Crowley Groundwater Ltd.	Dundas, Ontario	1
Faulkner Well Drilling Co. Ltd.	Cayuga, Ontario	1
Gerard, Kenneth Drilling	Wardsville, Ont.	1
Johnston, F.E. Drilling Co. Ltd.	Ottawa, Ontario	1
Kriter, Robert E.	Lambeth, Ont.	1
Lambton Area Industries Ltd.	Sarnia, Ontario	1
Marsh, Tom	Bothwell, Ont.	1
Maverick Drilling	Wallaceburg, Ont.	1
McKinney Drilling Company	Nacogdoches, Texas	1
Mitchell, Elgin & Sons	Jarvis, Ontario	5
Moerschfelder, Fred	Fisherville, Ont.	2
Montgomery Bros.	Selkirk, Ontario	1
Nauman, J.R.	Fisherville, Ont.	1
Newport, Harvey	Wardsville, Ont.	1
Newport, James R.	Oil Springs, Ont.	1
Newport, Lorne T.	Wardsville, Ont.	2
Newport, Wellington R. & Sons	Wardsville, Ont.	2
Place Gas & Oil Co. Ltd.	Toronto, Ont.	2
Rawlings Drilling Co. Ltd.	Chatham, Ont.	6
Rose, Murray	Port Rowan, Ont.	3

Table 25 – Owners of Licensed Drilling Machines – cont'd.

Rose, Charles	Port Rowan, Ont.	1
Smith (Ron) Well Drilling	Denfield, Ont.	1
South Western Drilling Ltd.	Port Lambton, Ont.	1
Stevenson Drilling	Dresden, Ont.	1
Tremblay Drilling Co. Ltd.	Chatham, Ont.	4
Underwater Gas Developers	Port Colborne, Ont.	8
Union Gas Co. of Canada Ltd.	Chatham, Ont.	2
Weber, Ronald C.	Clifford, Ont.	1

PART IV – GEOLOGICAL AND COMPLETION DATA

The geological and completion data for each well drilled in 1977 is summarized on a well history card. Half-scale photographic reproductions of these cards appear in Part IV of this publication.

Prints of the original cards for 1977 as well as for previous years may be obtained at 25 cents each. Microfilm containing the well history cards for wells drilled up to December 31st, 1973 (approximately 15,000 wells) is available at a cost of \$100.

Explanation of Data Items and Abbreviations

A brief explanation of the various items and abbreviations used is as follows:

WELL NAME: The official name of the well as issued on the Permit to Bore, Drill or Deepen a Well, Form 106.

PERMIT NO.: This number is assigned to the well location upon approval of the Application for a Permit to Bore, Drill or Deepen a Well. Where the original location is abandoned as a result of drilling or completion difficulties, and the rig is moved or “skidded” to a new location within the same drilling tract, the original Permit No. using the alphabetical suffix “A” will apply to the second well.

CLASSIFICATION: Each well is classified at the time the Application for a Permit to Bore, Drill or Deepen a Well is approved. This classification is based on the Lahee System introduced in 1939 by the American Association of Petroleum Geologists for world-wide usage. The definitions are based upon the degree of risks assumed by the operator who drills the tests.

The well categories of the Lahee System are defined as follows, including also the abbreviations used in this report:

1. *Exploratory Category*

An Outpost of Extension Test (EXPLO-EXTEN) is located and drilled with the expectation of extending for a considerable distance the productive area of a partly developed pool. It is usually two or more locations distant from the nearest productive area. If it is successful in its original object, it will add materially to the productive area of the pool.

A Shallower-Pool Test (EXPLO-SHALL) is exploratory only if drilled in search of some new productive reservoir, unknown but possibly suspected from data secured from other wells. The test must be located within the productive area of a pool or pools previously suspected to contain hydrocarbons.

A Deeper-Pool Test (EXPLO-DEEPE) is an exploratory hole located within the productive area of pool or pools already partly or wholly developed. It is drilled below the deepest such pool penetrated by it to explore to deeper unknown prospects. Such a hole may extend to a deeper pool which had been partially developed in another part of the field.

A New-Pool Wildcat (EXPLO-NPW) is a well: (1) Located at a relatively con-

siderable distance outside the limits of producing or producible pools as these limits are known at the time of drilling, and (2) Drilled on a structure or in a geologic environment where other pools have been found but where the complexities in the underground geological conditions are so great that searching for a new pool is hazardous. The objective of a New-Pool Wildcat is the discovery of a new pool in a field already discovered.

A New-Field Wildcat (EXPLO-NFW) is a well: (1) Located at a relatively considerable distance outside the limits of producing or producible pools as these limits are known at the time of drilling, and (2) Drilled on a geologic structure or a geologic environment where hydrocarbons have as yet not been discovered. The objective of a New-Field Wildcat is the discovery of a new field.

2. *Development Category*

A Development Well (Devel) is a well drilled with the object of further exploiting a hydrocarbon accumulation of a pool within the area which has already been essentially proved for production in this pool. Such a well may be inside the pool as already outlined by producing or producible wells, or it may be a relatively short distance outside these limits.

3. *Other*

A well that is not classified as exploratory or development but drilled for purposes as defined by Section 15, Ontario Regulation 45/72.

A summary of the abbreviation codes used to describe the well category is listed below.

Abbreviation Code	Category
EXPLO	Exploratory
NFW	New Field Wildcat
NPW	New Pool Wildcat
DEEPE	Deeper Pool Test
SHALL	Shallow Pool Test
EXTEN	Extension
DEVEL	Development
OTHER	Other
INJEC	Injection
STRAT	Stratigraphic Test
STORA	Storage
BRINE	Brine
DISPO	Disposal
SOURC	Source
OBSER	Observation
UNCLA	Unclassified
LOST	Lost Hole

GEOGRAPHIC DESCRIPTION: Wells are listed alphabetically by County and Township and numerically by Lot and Concession. Since the well summary cards are generated directly from computer storage, codes are necessary for alphabetic lots and lengthy concession names.

Code names for Lots are as follows:

498	Pt. Albino	505	E
499	Naval Reserve	506	F
500	Indian Reserve	507	G
501	A	508	J
502	B	509	Y
503	C	510	Z
504	D	511	Gore

Abbreviations for Concessions are as follows:

AUS	Ausable	NTR	North Talbot Road
BF	Broken Front	NUR	North Union Road
FLH	Front Lake Huron	R	Range
LRE	Lake Road East	SB	South Boundary
LRW	Lake Road West	SLR	South Lake Road
NB	North Boundary	STR	South Talbot Road
NLR	North Lake Road	SUR	South Union Road

CO-ORDINATES: Surveyed co-ordinates for all land wells are given in feet from lot lines, unless otherwise stated. Surveyed co-ordinates for Lake wells are recorded by latitude and longitude, in degrees, minutes and seconds. Latitude and longitude values for all land wells have also been determined and appear in this report.

ELEVATION: Ground elevation in feet above sea level plus number of feet to rig floor or kelly bushing.

SPUDDED: Date of spudding; the date that the actual drilling commenced.

COMPLETED: Date of completion; the date that drilling was completed and total depth was reached.

NATURAL FLOW: Initial oil and gas production rates prior to well treatment or stimulation.

RIG TYPES: Abbreviations for rig types are as follows:

CAB	Cable Tool Rig	ORF	Offshore Rotary Floater
ROT	Rotary Rig	ORS	Offshore Rotary Semi
OCP	Offshore Cable Platform		Submersible
ORJ	Offshore Rotary Jackup	UNK	Unknown

FINAL RESULTS: Oil and gas production rates after treatment or stimulation where applicable.

FINAL STATUS: The status of the well after completion.

SAMPLES: Drill cutting samples are retained for all wells and are available for examination at:

Sample Repository,
Petroleum Resources Section,
Ministry of Natural Resources,
458 Central Avenue,
London, Canada
N6B 2E5

CORES: The intervals cored are given and unless otherwise stated, the cores are stored at the Repository.

A summary of the abbreviation codes used to describe the core type is listed below:

Abbreviation Code	Core Type
CC2	Conventional (greater than 2")
SC2	Slimhole (less than 2")
CCF	Full Width Slab
CC1	One Inch Wedge
SCS	Slimhole Slabbed
CCO	Core Chips Only
RSO	Representative Sections Only

TREATMENT: If a well has been stimulated to increase production a treatment code is included to indicate the type of stimulation program. A summary of the abbreviation codes used to describe the treatment type is listed below:

Abbreviation Code	Treatment
ACID	Acidized
CONF	Fracture-conventional
LARF	Fracture-large volume
FOAM	Fracture-foam
SHOT	Explosives-shot
DYNM	Explosives-Dynamite
NTGY	Explosives-Nitroglycerine

LOGGING RECORD: The type of logs taken at the well and the logging company are recorded using the following abbreviation codes:

Abbreviation Code	Log Type
ACSL	Acoustic
CALP	Caliper
CBND	Cement Bond
CLOL	Chloride
CMPL	Completion
CONL	Contact
CDM	Continuous dip meter
DENL	Density, Compensated
DIPM	Dipmeter
DIRS	Directional Survey
ES	Electric Survey
EPTL	Experimental
FOCL	Focus

FRXL	Forxo
GGDL	Gamma-Gamma Density
GRL	Gamma Ray
GRNL	Gamma Ray-Neutron
GRSL	Gamma Ray-Sonic
GRDL	Guard
HCDL	Hydrocarbon
ISOL	Completion Record
IES	Induction Electric Survey
LATL	Dual Induction Laterolog
LSL	Limestone
MICL	Microlog
MLAT	Microlaterolog
MSGM	Microseismogram
MICS	Microsurvey
MINL	Minilog
MINF	Minifocus
NEUT	Neutron
MAGL	Nuclear Magnetism
PRMS	Permeability, Spinner
PRXL	Proximity
SONL	Sonic Borehole, Compensated
SRSL	Seismic Reference
SYRG	Synergic Log System
TMPL	Temperature
RTRS	Radioactive Tracer
TDL	Temperature Differential
VELS	Velocity, Accoustic
WLS	Water Location Survey

DEEPENING: For those wells deepened in 1977 the complete well record is included.

GEOLOGY: The geological markers are supplied by Ministry Geologists. For each well the method used to determine these markers (samples, R/A log, etc.) is recorded. Unpublished operator geological markers are available from the Ministry on request.

The nomenclature used in this report is based on published descriptions of the various geological units and in accordance with the standards established by the Ontario Stratigraphic Committee.

REFERENCES:

- | | |
|---------------|---|
| R. J. Beards | Guide to the Subsurface Palaeozoic Stratigraphy of Southern Ontario, O.D.E.R.M. Paper 67-2. |
| B. V. Sanford | Sources and Occurrence of Oil and Gas in the Sedimentary Basin of Ontario. Map 1263A. |
| C. G. Winder | Lexicon of Palaeozoic Names in Southwestern Ontario. |

GEOGRAPHICAL INSPECTION AREAS: Southwestern Ontario is divided into six geographical inspection areas. Application for a Permit to Bore, Drill or Deepen a Well within these areas should be forwarded to the area Petroleum Resources Officer, Ministry of Natural Resources.

These areas shown in Figure 9 have the following district offices:

Chief Inspector: R. G. Bryant, 1106 Dearness Drive, London N6E 1N9; 519-681-5250, Ext. 44. Residence 519-472-3207.

Area 1: G. E. Crewe, Port Crewe, R.R. #3, Merlin N0P 1W0; 519-689-4889.

Area 2: J. E. Deyo, R.R. #5, Wallaceburg N8A 4L2; 519-627-1966.

Area 3: R. K. Lewis, Ministry of Natural Resources, 353 Talbot Street West, Aylmer West N5H 2S8; 519-773-9241.

Area 4: M. J. Hunter, 645 Norfolk Street N., Simcoe N3Y 3R2; 519-426-7650.

Area 5: R.F.S. Hayward, 645 Norfolk Street N., Simcoe N3Y 3R2; 519-426-7650.

Area 6: D. Robertson, Ministry of Natural Resources, 458 Central Avenue, London N6B 2E5; 519-433-8431.

All other inquiries should be directed to:

Petroleum Resources Section, Ministry of Natural Resources
99 Wellesley St. W.,
4th Floor
Toronto, Ontario
M7A 1W3

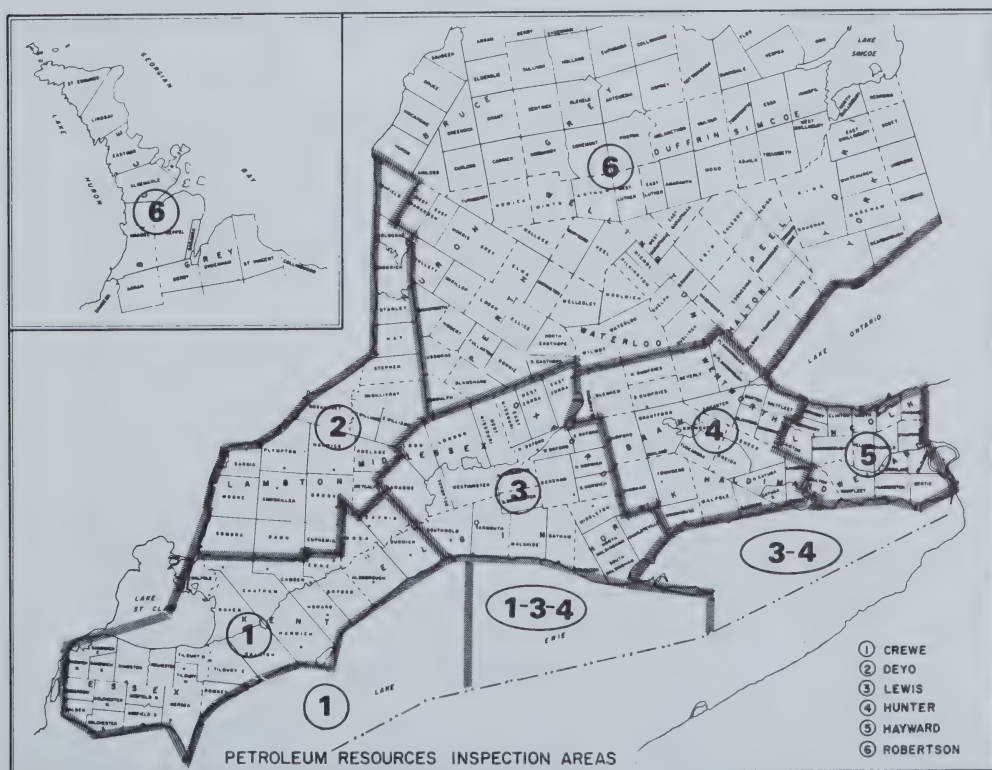
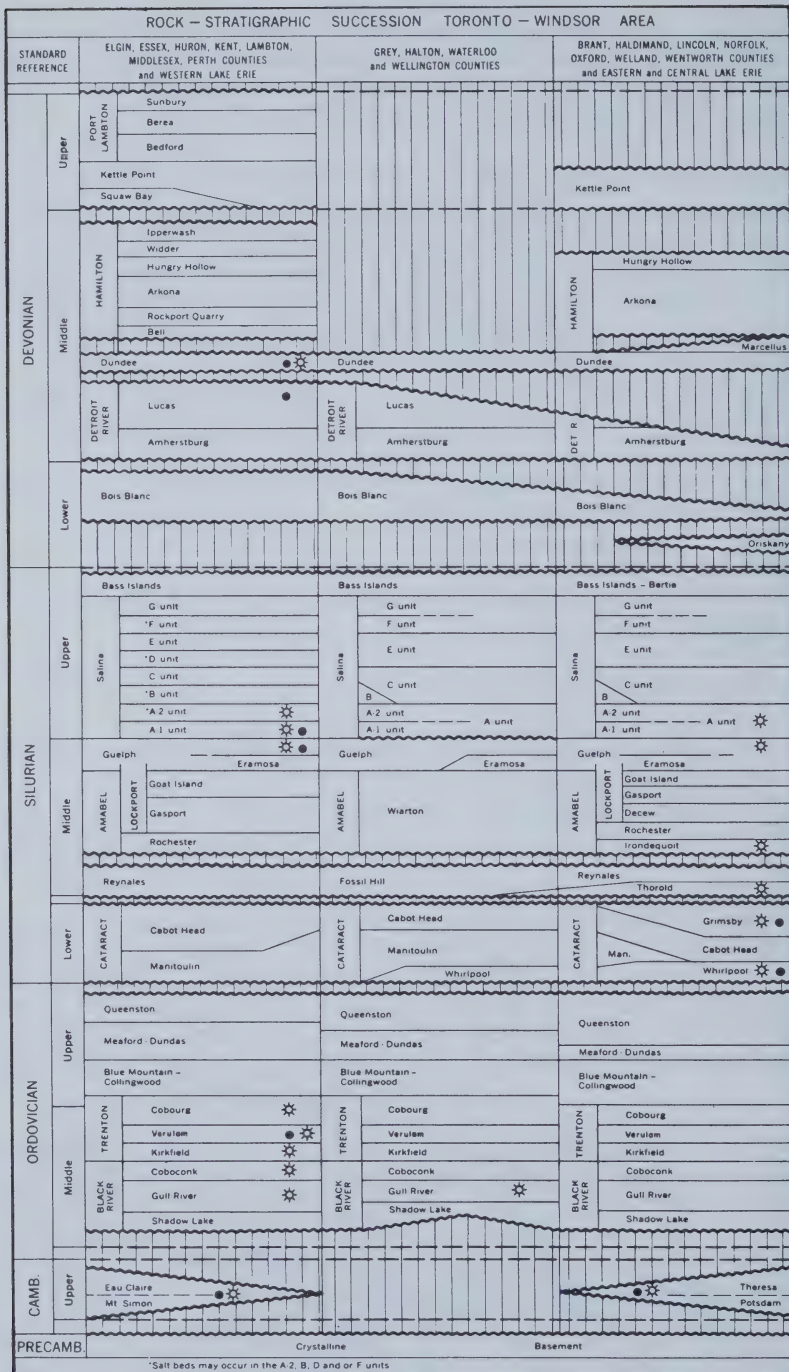


Figure 9 – Geographical Inspection Areas

APPENDIX I



Composite Stratigraphic Column

Appendix I is a composite stratigraphic column showing the various geological units in accordance with the standards established by the Ontario Stratigraphic Committee. This terminology is somewhat modified from that used in previous years and appears on G.S.C. Map 1263A and O.D.E.R.M. Map 69-1.

APPENDIX II

ONTARIO CRUDE OIL PRODUCTION

ANNUAL AND CUMULATIVE

1863 – TO DATE

Year	Annual Production	Cumulative Production	Year	Annual Production	Cumulative Production
	(bbls)	(bbls)		(bbls)	(bbls)
1863	114,000 (est.)	114,000	1921	172,858	27,302,715
1864	148,000 (est.)	262,000	1922	164,732	27,467,447
1865	182,000 (est.)	444,000	1923	159,399	27,626,846
1866	216,000 (est.)	660,000	1924	154,317	27,781,163
1867	250,000 (est.)	910,000	1925	144,249	27,925,412
1868	284,000 (est.)	1,194,000	1926	136,971	28,062,383
1869	318,000 (est.)	1,512,000	1927	139,606	28,201,989
1870	357,100 (est.)	1,869,100	1928	134,164	28,336,153
1871	364,247 (est.)	2,233,347	1929	121,125	28,457,278
1872	371,394 (est.)	2,604,741	1930	117,302	28,574,580
1873	378,541 (est.)	2,983,282	1931	122,364	28,696,944
1874	385,688 (est.)	3,368,970	1932	130,343	28,827,287
1875	392,835 (est.)	3,761,805	1933	136,058	28,963,345
1876	399,982 (est.)	4,161,787	1934	141,385	29,104,730
1877	407,129 (est.)	4,568,916	1935	165,040	29,269,770
1878	414,276 (est.)	4,983,192	1936	165,494	29,435,264
1879	421,423 (est.)	5,404,615	1937	165,205	29,600,469
1880	428,571 (est.)	5,833,186	1938	172,642	29,773,111
1881	457,100 (est.)	6,290,286	1939	206,379	29,979,490
1882	485,710 (est.)	6,775,996	1940	187,644	30,167,134
1883	514,286 (est.)	7,290,282	1941	159,438	30,326,572
1884	548,571 (est.)	7,838,853	1942	143,945	30,470,417
1885	585,710 (est.)	8,424,563	1943	132,492	30,602,909
1886	614,280	9,038,843	1944	125,067	30,727,976
1887	620,000	9,658,843	1945	113,324	30,841,300
1888	725,000	10,383,843	1946	123,082	30,964,382
1889	710,000	11,093,843	1947	131,295	31,095,677
1890	750,000	11,843,843	1948	176,989	31,272,666
1891	775,000	12,618,843	1949	260,670	31,533,336
1892	765,000	13,383,842	1950	250,656	31,783,992
1893	800,000	14,183,843	1951	197,171	31,981,163
1894	825,000	15,008,843	1952	191,813	32,172,976
1895	835,000	15,843,843	1953	299,685	32,472,661
1896	780,000	16,623,843	1954	412,474	32,885,135
1897	750,000	17,373,843	1955	525,509	33,410,644
1898	770,000	18,143,843	1956	593,370	34,004,014
1899	685,000	18,828,843	1957	623,666	34,627,680
1900	675,000	19,503,843	1958	778,341	35,406,021
1901	625,000	20,128,843	1959	1,001,580	36,407,601
1902	530,000	20,658,843	1960	1,005,030	37,412,631
1903	475,000	21,133,843	1961	1,149,087	38,561,718
1904	485,000	21,618,843	1962	1,134,534	39,696,252
1905	605,000	22,223,843	1963	1,205,376	40,901,628
1906	588,962	22,812,805	1964	1,246,682	42,148,310
1907	779,876	23,592,681	1965	1,279,162	43,427,472
1908	528,959	24,121,640	1966	1,323,781	44,751,253
1909	420,660	24,542,300	1967	1,240,298	45,991,551
1910	314,410	24,856,710	1968	1,150,779	47,142,330
1911	288,634	25,145,344	1969	1,161,889	48,304,219
1912	240,935	25,386,279	1970	1,048,466	49,352,685
1913	266,165	25,612,444	1971	958,104	50,310,789
1914	212,495	25,824,939	1972	878,108	51,188,897
1915	214,442	26,039,381	1973	808,649	51,997,546
1916	196,876	26,236,257	1974	734,068	52,731,614
1917	202,990	26,439,247	1975	704,323	53,435,937
1918	288,760	26,728,007	1976	621,508	54,157,445
1919	220,100	26,948,107	1977	618,742	54,776,187
1920	181,750	27,129,857			

**ONTARIO NATURAL GAS PRODUCTION
ANNUAL AND CUMULATIVE
1890 – TO DATE**

Year	Annual Production	Cumulative Production	Year	Annual Production	Cumulative Production
1890-	(M.c.f.)	(M.c.f.)		(M.c.f.)	(M.c.f.)
1905	Estimated	44,413,476	1941	11,828,703	393,100,758
1906	2,534,200	46,947,676	1942	10,476,770	403,577,528
1907	4,155,900	51,103,576	1943	7,914,408	411,491,936
1908	4,483,000	55,586,576	1944	7,082,509	418,574,445
1909	5,388,000	60,974,576	1945	7,199,970	425,774,415
1910	7,263,300	68,237,876	1946	7,051,309	432,825,724
1911	12,311,900	80,549,776	1947	7,785,921	440,611,645
1912	12,454,900	93,004,676	1948	8,590,429	449,202,074
1913	12,558,400	105,563,076	1949	8,024,213	457,226,287
1914	14,062,800	119,625,876	1950	8,302,190	465,235,775
1915	15,212,300	134,838,176	1951	8,442,842	473,678,617
1916	17,929,100	152,767,276	1952	8,009,488	481,980,807
1917	20,026,000	172,793,276	1953	9,835,469	491,816,276
1918	13,067,400	185,860,676	1954	10,015,818	501,832,094
1919	11,195,300	197,055,976	1955	10,852,857	512,684,951
1920	10,545,000	207,600,976	1956	12,811,618	525,496,569
1921	8,532,234	216,133,210	1957	14,400,913	539,897,482
1922	8,568,301	224,701,511	1958	16,147,986	556,045,468
1923	8,128,413	232,829,924	1959	16,839,236	572,884,704
1924	7,370,914	240,200,838	1960	18,256,641	591,141,345
1925	7,257,274	247,458,112	1961	14,544,165	605,685,510
1926	7,776,496	255,234,608	1962	15,593,784	621,279,294
1927	7,311,214	262,545,822	1963	15,920,055	637,199,349
1928	7,632,740	270,178,562	1964	13,815,967	651,015,316
1929	8,583,187	278,761,749	1965	12,699,483	663,714,799
1930	7,943,416	286,705,165	1966	15,537,157	679,251,956
1931	7,419,534	294,124,699	1967	12,288,759	693,480,715
1932	7,386,154	301,510,853	1968	12,065,829	705,546,544
1933	7,166,659	308,677,512	1969	11,237,888	716,784,432
1934	7,682,851	316,360,363	1970	16,649,459	773,433,891
1935	8,185,825	324,546,188	1971	16,167,731	749,601,622
1936	10,006,743	334,552,931	1972	12,375,129	761,976,751
1937	10,746,334	345,299,265	1973	9,528,102	771,504,853
1938	10,952,806	356,252,071	1974	7,536,953	779,041,906
1939	11,966,581	368,218,652	1975	10,935,471	789,977,377
1940	13,053,403	381,272,055	1976	4,957,616	794,391,507
			1977	8,525,965	802,917,472

APPENDIX III

PRELIMINARY PROVEN AND REMAINING OIL AND GAS RESERVES

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACT GAS
ESSEX	Colchester	1959	Trenton- Black River	Dolomitized zone in faulted syncline	2090-2225	
	Malden	1961	Trenton	Dolomitized zone in faulted syncline	2400	
	Ruscom River	1970	Trenton	Dolomitized zone in faulted syncline		
GREY	Egremont	1966	Black River	Dolomitized zone in basal limestone	2180-2200	
HALTON	Acton	1954	Black River	Dolomitized zone in anticline	1740-1925	
	Hornby	1959	Black River	Dolomitized zone in anticline	1530-1615	
KENT	Dover	1917	Trenton- Black River	Dolomitized zone in faulted syncline	3000	3
	Kingsville	1975	Trenton- Black River	Dolomitized zone in anticline	2400-2425	
WELLINGTON	Arthur	1968	Black River	Dolomitized zone in basal limestone	2210-2370	2

CAMBRIAN

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS		1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES, PROVEN
ELGIN	Willey	1964	Cambrian	Sandy dolomite in fault trap	3540-3615	12		nil 71,332 bbls	805 MMcf 1,292,245 bbls	1,000 MMcf 1,016,950 bbls	250 MMcf 1,412,800 bbls	545 MMcf 1,137,505 bbls
KENT	Clearville	1962	Cambrian	Sandy dolomite in titled fault block	3955	7		24,414 bbls	1,207,630 bbls	912,000 bbls	500,000 bbls	204,370 bbls
MIDDLESEX	Ekfrid	1973	Cambrian	Sandy dolomite in stratigraphic trap	3560-3571	1	1	11,000 MMcf 6,193 bbls	21,802 bbls	250 MMcf 100,000 bbls		250 MMcf 78,198 bbls
OXFORD	Gobles	1959	Cambrian	Dolomite sandstone in stratigraphic trap	2925-2975	36		nil 31,397 bbls	895 MMcf 1,384,707 bbls	930 MMcf 1,070,000 bbls	3,059,000 bbls	35 MMcf 2,744,293 bbls
	Innerkip	1961	Cambrian	Dolomite sandstone in stratigraphic trap	2895-2920	8	3	164 MMcf 785 bbls	953 MMcf 17,026 bbls	1,010 MMcf 20,000 bbls		57 MMcf 2,974 bbls
	Innerkip East	1068	Cambrian	Dolomite sandstone in stratigraphic trap	2850-2885			nil	83 MMcf	107 MMcf		24 MMcf
WENTWORTH	Rockton	1960	Cambrian	Sandstone in stratigraphic trap	2360					nil	Unknown	Unknown

APPENDIX III

PRELIMINARY PROVEN AND REMAINING OIL AND GAS RESERVES

ORDOVICIAN

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES, (PROVEN)	
ESSEX	Colchester	1959	Trenton-Black River	Dolomitized zone in faulted syncline	2090-2225	5	6,224 bbls	634,756 bbls	650,000 bbls		15,244 bbls	
	Malden	1961	Trenton	Dolomitized zone in faulted syncline	2400	4	2,286 bbls	128,378 bbls	140,000 bbls		11,622 bbls	
	Ruscom River	1970	Trenton	Dolomitized zone in faulted syncline		1	534 bbls	3,806 bbls	Unknown		Unknown	
GREY	Egremont	1966	Black River	Dolomitized zone in basal limestone	2180-2200			nil	Unknown		Unknown	
HALTON	Acton	1954	Black River	Dolomitized zone in anticline	1740-1925		nil	495 MMcf	605 MMcf		110 MMcf	
	Hornby	1959	Black River	Dolomitized zone in anticline	1530-1615		nil	38 MMcf	79 MMcf		41 MMcf	
KENT	Dover	1917	Trenton-Black River	Dolomitized zone in faulted syncline	3000	3	1	67 MMcf 406 bbls	12,508 MMcf 250,050 bbls	25,000 MMcf 50,000 bbls		12,492 MMcf 249,950 bbls
	Kingsville	1975	Trenton-Black River	Dolomitized zone in anticline	2400-2425	3	7,324 bbls	11,422 bbls	Unknown		Unknown	
WELLINGTON	Arthur	1968	Black River	Dolomitized zone in basal limestone	2210-2370	2	38 MMcf	419 MMcf	500 MMcf		81 MMcf	

ORDOVICIAN

E WELLS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES, (PROVEN)
5	6,224 bbls	634,756 bbls	650,000 bbls		15,244 bbls
4	2,286 bbls	128,378 bbls	140,000 bbls		11,622 bbls
1	534 bbls	3,806 bbls	Unknown		Unknown
		nil	Unknown		Unknown
	nil	495 MMcf	605 MMcf		110 MMcf
	nil	38 MMcf	79 MMcf		41 MMcf
1	67 MMcf 406 bbls	12,508 MMcf 250,050 bbls	25,000 MMcf 50,000 bbls		12,492 MMcf 249,950 bbls
3	7,324 bbls	11,422 bbls	Unknown		Unknown
	38 MMcf	419 MMcf	500 MMcf		81 MMcf

SILURIAN (continued)

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COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIV GAS
ESSEX	Essex (Offshore)	1957	Salina A-1 Guelph	Dolomitized bioherm patch reef (?)	850-975	
	Leamington Mersea	1889	Salina A-1	Dolomitized bioherm patch reef	920-1040	
	Oxley	1964	Salina A-1	Dolomitized erosional monadnock on Guelph surface	890-930	
HURON	Bayfield	1956	Guelph	Dolomitized pinnacle reef	1520-1905	
	Dungannon	1967	Guelph	Dolomitized pinnacle reef	1540-1795	
	Grand Bend	1955	Guelph	Dolomitized pinnacle reef	1765-1860	
	Zurich	1954	Guelph	Dolomitized pinnacle reef	1795-1950	
KENT	Botany	1958	Salina A-1	Dolomitized stromatolitic (?) mound	1680-1955	2
	Chatham Dresden Camden Gore	1936	Salina A-2 Salina A-2 Guelph	Dolomitized zones in A-2, A-1 in anticline Guelph bioherm patch reef	1425-1625	30
	D'Clute	1929	Salina A-2	Dolomitized bioherm patch reef	1215-1580	1
	D'Clute (Offshore)	1957	Salina A-2 Salina A-1	Extension of above		11

SILURIAN

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVERABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RECOVERABLE RESERVES PROVEN
BRANT HALDIMAND LINCOLN WENTWORTH	Brant Haldimand Lincoln Wentworth	1891	Irondequoit Thorold Grimsby Whirlpool	Porosity and permeability pinchout in dolomite and sandstone	500-900	315	98 MMcf	109,028 MMcf 41,400 bbls	114,000 MMcf 41,400 bbls		4,972 MMcf nil
	Haldimand (Offshore)	1957	Irondequoit Thorold Grimsby Whirlpool	Porosity and permeability pinchout in dolomite and sandstone	900-1450	93	1,060 MMcf	15,504 MMcf 16,564 bbls	40,000 MMcf		23,436 MMcf
ELGIN	Bayham (Eden Fairground (Griffin (Richmond (Vienna	1910	Irondequoit Thorold Grimsby	Porosity and permeability pinchout in dolomite and sandstone	1180-1430		nil	5,773 MMcf	5,773 MMcf		27 MMcf
	Cowal	1950	Salina A-2 Salina A-1 Guelph	Dolomitized bioherm patch reef	1150-1250	3	15 MMcf	406 MMcf	450 MMcf		44 MMcf
	Elgin (Offshore)	1967	Guelph Thorold Grimsby	Dolomitized bioherm patch reef (?); porosity and permeability pinchout in sandstone	1200-1830	29	1,800 MMcf	8,659 MMcf	34,000 MMcf		25,341 MMcf
	Mosald (Part of this field is Middlesex)	1930	Salina A-2 Salina A-2 Grimsby	Dolomitized zones in anticline: porosity and pinchout in sandstone	1320-1490	10	87 MMcf	6,304 MMcf 22,904 bbls	20,000 MMcf 46,445 bbls		13,696 MMcf 23,541 bbls
	Townline	1948	Salina A-2 Salina A-1	Dolomitized zone in anticline	1320-1445		nil	2,815 MMcf	2,954 MMcf		139 MMcf

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
ESSEX	Essex (Offshore)	1957	Salina A-1 Guelph	Dolomitized bioherm patch reef (?)	850-975			2,592 MMcf	3,100 MMcf		508 MMcf
	Leamington Mersea	1889	Salina A-1	Dolomitized bioherm patch reef	920-1040		nil	23,657 MMcf 235,342 bbls	23,700 MMcf 235,342 bbls		43 MMcf nil
	Oxley	1964	Salina A-1	Dolomitized erosional monadnock on Guelph surface	890-930		nil	63 MMcf	90 MMcf		27 MMcf
HURON	Bayfield	1956	Guelph	Dolomitized pinnacle reef	1520-1905		nil	2,121 MMcf	2,240 MMcf		119 MMcf
	Dungannon	1967	Guelph	Dolomitized pinnacle reef	1540-1795		nil	nil	1,700 MMcf		1,700 MMcf
	Grand Bend	1955	Guelph	Dolomitized pinnacle reef	1765-1860	4	15,739 bbls	451,923 bbls	550,000 bbls		98,077 bbls
	Zurich	1954	Guelph	Dolomitized pinnacle reef	1795-1950		nil	nil	1,000 MMcf (est)		1,000 MMcf
KENT	Botany	1958	Salina A-1	Dolomitized stromatolitic (?) mound	1680-1955	2	15 MMcf	392 MMcf (est)	450 MMcf (est)		58 MMcf (est)
	Chatham Dresden Camden Gore	1936	Salina A-2 Salina A-2 Guelph	Dolomitized zones in A-2, A-1 in anticline Guelph bioherm patch reef	1425-1625	30	2 117 MMcf 4,997 bbls	9,193 MMcf 100,087 bbls	9,500 MMcf Unknown		77 MMcf Unknown
	D'Clute	1929	Salina A-2	Dolomitized bioherm patch reef	1215-1580	1	7 MMcf	19,746 MMcf 3,146 bbls	19,800 MMcf 3,146 bbls		54 MMcf nil
	D'Clute (Offshore)	1957	Salina A-2 Salina A-1	Extension of above		11	110 MMcf	7,645 MMcf	10,000 MMcf		2,355 MMcf

E WELLS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
		2,592 MMcf	3,100 MMcf		508 MMcf
	nil	23,657 MMcf 235,342 bbls	23,700 MMcf 235,342 bbls		43 MMcf nil
	nil	63 MMcf	90 MMcf		27 MMcf
	nil	2,121 MMcf	2,240 MMcf		119 MMcf
	nil	nil	1,700 MMcf		1,700 MMcf
4	15,739 bbls	451,923 bbls	550,000 bbls		98,077 bbls
	nil	nil	1,000 MMcf (est)		1,000 MMcf
	15 MMcf	392 MMcf (est)	450 MMcf (est)		58 MMcf (est)
2	117 MMcf 4,997 bbls	9,193 MMcf 100,087 bbls	9,500 MMcf Unknown		77 MMcf Unknown
	7 MMcf	19,746 MMcf 3,146 bbls	19,800 MMcf 3,146 bbls		54 MMcf nil
	110 MMcf	7,645 MMcf	10,000 MMcf		2,355 MMcf

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE GAS
LAMBTON (con't)	Brooke	1965	Guelph	Dolomitized incipient bioherm reef (?)	1695	
	Charlemont	1954	Salina A-2	Dolomitized zone in anticline dome	1615-1655	
	Corunna (Storage Pool)	1950	Salina A-1 Guelph	Dolomitized pinnacle reef	2150-2450	1
	Courtwright	1966	Guelph	Dolomitized incipient bioherm reef (?)	2400-2430	
	Coveny	1971	Guelph	Dolomitized incipient bioherm reef	1938-2054	
	Cromar	1969	Guelph	Dolomitized incipient bioherm reef	2100	1
	Dawn (Miscel- laneous)	1921	Salina A-2 Salina A-1 Guelph	Dolomitized zones in pinnacle reef and flanking beds	1530-1955	10
	Dawn No. 1 (No. 3 stor- age pool)	1914	Salina A-2 Salina A-1	Dolomitized zones in draping over guelph incipient bioherm reefs	1575	7
	Dawn 4-28-111	1967	Guelph	Dolomitized incipient bioherm reef	1885-1946	
	Dawn 156 Storage Pool	1952	Salina A-2 Salina A-1	Dolomitized pinnacle reef	1620-2005	
	Dawn 167	1952	Salina A-2 Salina A-1 Guelph	Dolomitized pinnacle reef	1500-1765	1

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS		1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVERABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RECOVERABLE RESERVES PROVEN
KENT (cont'd)	Morpeth	1954	Salina A-2	Dolomitized stromatolitic (?) mound	1625-1655	8		28 MMcf	4,563 MMcf	4,600 MMcf		37 MMcf
	St. Patricks	1970	Guelph	Dolomitized bioherm patch reef	1472			nil	nil	Unknown		Unknown
	Tilbury	1906	Salina A-2 Salina A-2 Guelph	Dolomitized bioherm reef	1170-1400	52		269 MMcf	209,099 MMcf 3,132 bbls	220,000 MMcf 3,132 bbls		10,901 MMcf nil
	Tilbury (Offshore)	1943	Salina A-2 Salina A-1 Guelph	Extension of above		77		752 MMcf	7,509 MMcf	64,000 MMcf		6,494 MMcf
	Wolfe	1952	Salina A-2	Dolomitized stromatolitic (?) mound	1535-1550	1		7 MMcf	204 MMcf	210 MMcf		6 MMcf
	Zone	1943	Salina A-2 Salina A-1	Dolomitized zone in anticline dome	1400-1600	36		60 MMcf	8,864 MMcf	10,000 MMcf		1,136 MMcf
LAMBTON	Avonry	1963	Guelph	Dolomitized incipient bioherm patch reef	2165-2200			nil	378 MMcf	400 MMcf		22 MMcf
	Becher East	1946	Guelph	Dolomitized zone in bioherm patch reef	1910-1930			nil	1,083 MMcf	1,100 MMcf		17 MMcf
	Becher West	1946	Salina A-1	Dolomitized zones in anticline	1825-1990	29	21	77 MMcf 46,335 bbls	5,320 MMcf 2,075,696 bbls	6,500 MMcf 840,000 bbls	1,800,000 bbls	1,180 MMcf 564,304 bbls
	Brigden	1963	Salina A-1	Dolomitized zone along fault	2080-2250	2	2	68 MMcf 2,333 bbls	2,189 MMcf 53,416 bbls	2,800 MMcf 66,300 bbls		611 MMcf 8,452 bbls

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
LAMBTON (con't)	Brooke	1965	Guelph	Dolomitized incipient bioherm reef (?)	1695	4	21,796 bbls	164,354 bbls	250,000 bbls		228,204 bbls
	Charlemont	1954	Salina A-2	Dolomitized zone in anticline dome	1615-1655		nil	328 MMcf	350 MMcf		22 MMcf
	Corunna (Storage Pool)	1950	Salina A-1 Guelph	Dolomitized pinnacle reef	2150-2450	1 10	2 MMcf 18,141 bbls	4,386 MMcf 1,334,786 bbls	4,400 MMcf 1,400,000 bbls		14 MMcf 45,318 bbls
	Courtwright	1966	Guelph	Dolomitized incipient bioherm reef (?)	2400-2430		nil	627 MMcf	853 MMcf		226 MMcf
	Coveny	1971	Guelph	Dolomitized incipient bioherm reef	1938-2054		nil		2,200 MMcf		2,200 MMcf
	Cromar	1969	Guelph	Dolomitized incipient bioherm reef	2100	1 1	37 MMcf 3,673 bbls	340 MMcf 17,137 bbls	Unknown		Unknown
	Dawn (Miscel- laneous)	1921	Salina A-2 Salina A-1 Guelph	Dolomitized zones in pinnacle reef and flanking beds	1530-1955	10 10	84 MMcf 7,493 bbls	4,940 MMcf 256,875 bbls	5,000 MMcf 280,000 bbls		60 MMcf 23,125 bbls
	Dawn No. 1 (No. 3 stor- age pool)	1914	Salina A-2 Salina A-1	Dolomitized zones in draping over guelph incipient bioherm reefs	1575	7	24 MMcf		1,000 MMcf		36 MMcf
	Dawn 4-28-111	1967	Guelph	Dolomitized incipient bioherm reef	1885-1946		nil		290 MMcf		290 MMcf
	Dawn 156 Storage Pool	1952	Salina A-2 Salina A-1	Dolomitized pinnacle reef	1620-2005	1	3,851 bbls	21,202 MMcf 232,986 bbls	21,202 MMcf 240,000 bbls		nil 7,014 bbls
	Dawn 167	1952	Salina A-2 Salina A-1 Guelph	Dolomitized pinnacle reef	1500-1765	1	nil	4,985 MMcf	6,600 MMcf		1,615 MMcf

WELLS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
4	21,796 bbls	164,354 bbls	250,000 bbls		228,204 bbls
	nil	328 MMcf	350 MMcf		22 MMcf
10	2 MMcf 18,141 bbls	4,386 MMcf 1,334,786 bbls	4,400 MMcf 1,400,000 bbls		14 MMcf 45,318 bbls
	nil	627 MMcf	853 MMcf		226 MMcf
	nil		2,200 MMcf		2,200 MMcf
1	37 MMcf 3,673 bbls	340 MMcf 17,137 bbls	Unknown		Unknown
10	84 MMcf 7,493 bbls	4,940 MMcf 256,875 bbls	5,000 MMcf 280,000 bbls		60 MMcf 23,125 bbls
	24 MMcf		1,000 MMcf		36 MMcf
	nil		290 MMcf		290 MMcf
1	3,851 bbls	21,202 MMcf 232,986 bbls	21,202 MMcf 240,000 bbls		nil 7,014 bbls
	nil	4,985 MMcf	6,600 MMcf		1,615 MMcf

SILURIAN (continued)

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COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIV GAS
LAMBTON (cont'd)	Rosedale (Storage Pool)	1970	Guelph	Dolomitized pinnacle reef	1650-1950	3
	Seckerton Seckerton North (Storage Pool)	1952	Salina A-1 Guelph	Dolomitized pinnacle reef	2100-2360	
	Shetland	1914	Salina A-1 Guelph	Dolomitized incipient bioherm reef	1560-1675	
	Sombra (Storage Pool)	1951	Guelph	Dolomitized pinnacle reef	1815-2060	
	Sombra 6-28-1X	1973	Salina A-1 Guelph	Dolomitized incipient bioherm reef	1931-1936	
	Sombra (Misc.)	1921	Guelph	Dolomitized pinnacle reef	1950-1955	
	Sutorville	1963	Guelph	Dolomitized incipient bioherm reef	1970-2060	
	Talford	1959	Guelph	Dolomitized bioherm reef	2545-2585	
	Wanstead	1958	Guelph	Dolomitized pinnacle reef	1980-2025	
	Warwick	1953	Guelph	Dolomitized pinnacle reef	1765-1880	

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
LAMBTON (cont'd)	Dawn-Sombra	1977	Guelph	Dolomitized pinnacle reef	1950-1955	4	608 bbls	608 bbls	Unknown		Unknown
	Edys Mills	1977	Guelph	Dolomitized pinnacle reef	1950-1955	1	112 bbls	112 bbls	Unknown		Unknown
	Enniskillen 26	1952	Guelph	Dolomitized zone along fault (?)	2120-2130	1	8 MMcf	57 MMcf	57 MMcf		211 MMcf
	Enniskillen 28	1954	Guelph	Dolomitized pinnacle reef	1850-2035		nil	1,945 MMcf	2,450 MMcf		505 MMcf
	Enniskillen 30	1977	Guelph	Dolomitized pinnacle reef	1950-1955	1	7,341 bbls	7,341 bbls	Unknown		Unknown
	Ladysmith	1970	Guelph	Dolomitized pinnacle reef	1470-1639	3	24,308 bbls	379,816 bbls	2,500 MMcf 500,000 bbls		2,500 MMcf 120,184 bbls
	Mandamin	1956	Guelph	Dolomitized pinnacle reef	2170-2235	1	nil	1,908 MMcf	2,000 MMcf		92 MMcf
	Oil Springs East	1913	Guelph	Dolomitized incipient bioherm reef	1850-1950	297	1 655 MMcf 719 bbls	Unknown	Unknown		Unknown
	Osborne	1976	Guelph	Dolomitized pinnacle reef	1950-1955	1	5,697 bbls	5,697 bbls	Unknown		Unknown
	Otter Creek	1968	Salina A-1 Guelph	Dolomitized incipient bioherm reef	1815-2080	7	85 MMcf	1,728 MMcf	2,000 MMcf		272 MMcf
	Petrolia East	1972	Guelph	Dolomitized pinnacle reef	1902-2052	6	22,221 bbls	130,852 bbls	44 MMcf 800,000 bbls	1,200,000 bbls	44 MMcf 1,869,148 bbls

SILURIAN (continued)

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
LAMBTON (cont'd)	Rosedale (Storage Pool)	1970	Guelph	Dolomitized pinnacle reef	1650-1950	3	nil	2,826 MMcf	3,488 MMcf		662 MMcf
	Seckerton Seckerton North (Storage Pool)	1952	Salina A-1 Guelph	Dolomitized pinnacle reef	2100-2360	9	25,332 bbls	1,231,866 bbls 8,437 MMcf	1,500,000 bbls 8,437 MMcf		268,134 bbls nil
	Shetland	1914	Salina A-1 Guelph	Dolomitized incipient bioherm reef	1560-1675	1	29 bbls	2,248 bbls	2,500 bbls		252 bbls
	Sombra (Storage Pool)	1951	Guelph	Dolomitized pinnacle reef	1815-2060		nil	1,927 MMcf 30 bbls	1,927 MMcf 1,836 bbls		nil 106 bbls
	Sombra 6-28-1X	1973	Salina A-1 Guelph	Dolomitized incipient bioherm reef	1931-1936	1	105 bbls	1,136 bbls	10,000 bbls		8,864 bbls
	Sombra (Misc.)	1921	Guelph	Dolomitized pinnacle reef	1950-1955	1	90 bbls	Unknown	Unknown		Unknown
	Sutorville	1963	Guelph	Dolomitized incipient bioherm reef	1970-2060	1	1,459 bbls	55,855 bbls	65,000 bbls		9,145 bbls
	Talford	1959	Guelph	Dolomitized bioherm reef	2545-2585		nil	14,638 bbls	20,000 bbls		5,362 bbls
	Wanstead	1958	Guelph	Dolomitized pinnacle reef	1980-2025	3	4,423 bbls	467,501 bbls	500,000 bbls		23,653 bbls
	Warwick	1953	Guelph	Dolomitized pinnacle reef	1765-1880	2	8,987 bbls	80,113 bbls	650,000 bbls		7,945 bbls

WELLS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
	nil	2,826 MMcf	3,488 MMcf		662 MMcf
9	25,332 bbls	1,231,866 bbls 8,437 MMcf	1,500,000 bbls 8,437 MMcf		268,134 bbls nil
1	29 bbls	2,248 bbls	2,500 bbls		252 bbls
	nil	1,927 MMcf 30 bbls	1,927 MMcf 1,836 bbls		nil 106 bbls
1	105 bbls	1,136 bbls	10,000 bbls		8,864 bbls
1	90 bbls	Unknown	Unknown		Unknown
1	1,459 bbls	55,855 bbls	65,000 bbls		9,145 bbls
	nil	14,638 bbls	20,000 bbls		5,362 bbls
3	4,423 bbls	467,501 bbls	500,000 bbls		23,653 bbls
2	8,987 bbls	80,113 bbls	650,000 bbls		7,945 bbls

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	
ELGIN	Rodney	1949	Lucas	Dolomitized zone in dome	350	
	Wallacetown (formerly called "Dutton")	1898	Dundee-Lucas	Dolomitized zone in dome	400	
KENT	Bothwell-Thamesville	1862	Dundee-Lucas	Dolomitized zone in anticline and domes	300-400	
LAMBTON	Oil Springs	1858	Dundee	Dolomitized zone in dome	350-400	
	Petrolia	1862	Dundee-Lucas	Dolomitized zone in dome	400-500	
	Watford-Kerwood	1938	Dundee-Lucas	Dolomitized zone in dome	360-445	
	Wilson Croft	1927	Dundee	Dolomitized zone in anticline	400	
MIDDLESEX	Glencoe	1917	Dundee-Lucas	Dolomitized zone in dome	275-400	

DEVONIAN

COUNTY	FIELD OR POOL	DISCOVERY DATE	PRODUCING FORMATIONS	RESERVOIR & TRAPPING MECHANISMS	DEPTH	ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
ELGIN	Rodney	1949	Lucas	Dolomitized zone in dome	350	131	185,548 bbls	1,154,249 bbls	3,900,000 bbls	4,735,000 bbls	585,329 bbls
	Wallacetown (formerly called "Dutton")	1898	Dundee-Lucas	Dolomitized zone in dome	400	16	814 bbls	243,608 bbls	250,000 bbls		6,392 bbls
KENT	Bothwell-Thamesville	1862	Dundee-Lucas	Dolomitized zone in anticline and domes	300-400	32	9,379 bbls	3,127,510 bbls	3,500,000 bbls		372,490 bbls
LAMBTON	Oil Springs	1858	Dundee	Dolomitized zone in dome	350-400	263	24,324 bbls	9,185,802 bbls	9,300,000 bbls		18,389,110 bbls
	Petrolia	1862	Dundee-Lucas	Dolomitized zone in dome	400-500	50	20,627 bbls	17,112,885 bbls	17,200,000 bbls		87,132 bbls
	Watford-Kerwood	1938	Dundee-Lucas	Dolomitized zone in dome	360-445		nil	129,670 bbls	129,670 bbls		nil
MIDDLESEX	Wilson Croft	1927	Dundee	Dolomitized zone in anticline	400	2	149 bbls	Unknown	Unknown		Unknown
	Glencoe	1917	Dundee-Lucas	Dolomitized zone in dome	275-400		nil	1,092,111 bbls	700,000 bbls	725,000 bbls	332,889 bbls

DEVONIAN

ACTIVE WELLS GAS OILS	1977 PRODUCTION	CUMULATIVE PRODUCTION DEC. 31, 1977	PROVEN RECOVER- ABLE RESERVES (PRIMARY)	PROVEN RESERVES (SECONDARY)	REMAINING RE- COVERABLE RE- SERVES PROVEN
131	185,548 bbls	1,154,249 bbls	3,900,000 bbls	4,735,000 bbls	585,329 bbls
16	814 bbls	243,608 bbls	250,000 bbls		6,392 bbls
32	9,379 bbls	3,127,510 bbls	3,500,000 bbls		372,490 bbls
263	24,324 bbls	9,185,802 bbls	9,300,000 bbls		18,389,110 bbls
50	20,627 bbls	17,112,885 bbls	17,200,000 bbls		87,132 bbls
	nil	129,670 bbls	129,670 bbls		nil
2	149 bbls	Unknown	Unknown		Unknown
	nil	1,092,111 bbls	700,000 bbls	725,000 bbls	332,889 bbls

APPENDIX IV

AVAILABLE COMPUTER REPORTS

Well File Report Writing Programs

- Report 2.1 *Summary of Well Completions*
This report generates Table 4 for any given year.
- Report 2.2A *Exploratory Wells Drilled*
This report retrieves all of the exploratory wells drilled in a given year and, alphabetically by well name, lists: well name, latitude, longitude, sequence number, county, township, lot, concession, classification, final status, the flow and formation at which gas and/or oil were found and the water type and its formation.
- Report 2.4 *Drilling Summary by Depth*
This report generates Table 7 for any given year.
- Report 2.5 *Drilling Success Ratio*
This report generates Table 8 for any given year.
- Report 2.6 *Lake Erie Drilling*
This report generates Table 9 for any given year.
- Report 2.20 *Alphabetic Index of Wells*
This report generates Table 26 for any given year.
- Report 2.21 *Permit Index of Wells*
This report generates Table 27 for any given year.
- Report 2.24 *Summary of Casing Records*
This report retrieves all wells that have a casing record, sorts them into county, township and concession order and prints out for each well the well name, county, township, lot, concession, co-ordinates, casing record (size, weight, setting and number of feet recovered).
- Report 2.25A *Ontario Well Sample Index*
This report retrieves all of the wells that have drill cutting samples stored at the Section's laboratory in London. The report sorts the wells into county, township, lot, concession order, and reports this information, together with the latitude, longitude, sequence number, co-ordinates, ground elevation, total depth, year completed, age of oldest rock penetrated, sample interval, number of bottles and the sample repository tray number.

Report 2.25B *Ontario Well Core Index*

This report retrieves all wells that have been cored, sorts them into county, township, lot, concession order and reports this information with the well name, co-ordinates, ground elevation, total depth, year completed, core condition (which indicates the type of core available, i.e. chips, full width slab, etc.), geological formation of the core and the core rack number.

Report 2.37 *Well Summary Card*

This report generates the well cards given at the back of this book.

Report 3.0 *Well Scan*

This report sorts the well records retrieved into county, township, lot, concession, tract order and prints this information out along with the well name, co-ordinates, permit number, latitude, longitude, sequence number, completion date, abandonment date, total depth, and operator.

Report 3.1 *Hydraulic Pressure Gradient*

Using the initial gas record, this report calculates the static hydraulic pressure gradient for each well record retrieved over a specified area and within specified producing formations. The pressure gradient is further averaged by county and by township.

Report 3.2 *Downhole Logs*

This report lists, in county, township, tract, lot, concession order the well name, all location information, completion date, status, T.D. and complete logging record for all records retrieved.

Field and Production File Report Writing Programs

Report 2.7 *Ontario Oil Production by Field*

This report generates Table 10 for any given year, but does not list active wells.

Report 2.8 *Natural Gas Production by Field*

This report generates Table 11 for any given year, but does not list active/suspended wells.

Report 2.9 *Oil Production by Age*

This report generates Table 12 for any given 5 year range.

Report 2.10 *Oil Production by County*

This report generates Table 13 for any given year.

- Report 2.11 *Oil Production in Ontario*
This report generates Table 14 for any given 5 year range.
- Report 2.12 *Gas Production by County*
This report generates Table 16 for any given year.
- Report 2.13 *Lake Erie Gas Production*
This report generates Table 17 for any given year, but does not list active/suspended wells.
- Report 2.15 *Gas Production in Ontario*
This report generates Table 18 for any given 5 year range.
- Report 2.16 *Gas Storage – Southwestern Ontario*
This report retrieves all storage field records and reports for each storage field, its producing formation, operator, working reservoir capacity in Mcf and the original reservoir pressure.
- Report 2.26 *Monthly Crude Oil Production by Field*
This report retrieves all units that show monthly oil production in a given month and year or in the preceding year and reports the following information for each unit in order of county and field: county, field, unit number, the given month's production, the percentage of the total provincial production, cumulative year to date production with its percentage of the total provincial production for the year and previous year and the change in percentage, next month's estimated production and an estimate on the year end's production.
- Report 2.27 *Monthly Natural Gas Production by Field*
This report is identical to Report 2.26 except that gas production figures are noted.
- Report 2.28 *Lake Erie Monthly Natural Gas Production by Field*
This report is the same as Report 2.27 but applies to Lake Erie gas production only.

APPENDIX V

LIST OF PUBLICATIONS AND MAPS

NOTE: *The following publications and maps may be obtained by writing to: Ministry of Natural Resources, Mines Publications Unit, Whitney Block, Queen's Park, Toronto M7A 1W3 (416-965-6511).*

Cheques or Money Orders should be made payable to the Treasurer of Ontario.

Please note that payments must be included with requests for orders totalling less than \$100.00.

	Price
Annual Report 1920-1953	\$ 1.00 each
*(1922, 1927, 1934, 1943 . . . out of print	
Annual Report 1954-1959 (Ontario Fuel Board)	1.00 each
Annual Report 1960-1965, 1967, 1968, 1969, 1979	1.00 each
Annual Report 1971, 1972, 1973, 1974	5.00 each
Annual Report 1976, 1976, 1977	7.50 each
Paper 67-2; A Guide to the Subsurface Palaeozoic Stratigraphy of Southern Ontario by R.J. Beards	2.00
Paper 68-2; Subsurface Disposal of Liquid Wastes in Ontario by D.D. McLean	2.00
Paper 70-2; Gas Analyses Ontario Gas Wells	1.00
Paper 70-4; Supplement to Catalogue of Ontario Well Samples at the Geological Survey of Canada	1.00
Paper 71-2; Structural Geology of Southwestern Ontario and Southeastern Michigan by: Robert J. Brigham	2.00
Paper 73-2; The Oil and Gas Potential of the "Clinton-Cataract" Reservoirs of Norfolk County by: T.A. MacDougall	5.00
Report of the Committee on Oil and Gas Resources Part I (Offshore Activity-1961) Part II (Underground Storage of Natural Gas - 1962)	2.00
Index of Ordovician and Cambrian Wells Drilled in Southwestern Ontario Prior to 1963 by: D.A. Sharp.	2.00
Yesterday, Today, Tomorrow-Oil and Gas in Ontario	no charge
Paper 11-1 (a); Background paper on Ontario Petroleum Resources	5.00
Offshore Exploration in Great Lakes Region by: Bryson C. Donnan (1961)25

*OUT OF PRINT-ORIGINALS ON FILE WITH PETROLEUM RESOURCES SECTION

Minutes and Seconds Expressed as Decimal Parts of a Degree MP/3	no charge
Petroleum Possibilities of the James Bay Lowland Area-Vol. 61 Part 6 (maps included) (1952)	1.50
Industrial Mineral Report No. 6; Salt in Ontario by: D.F. Hewitt (1962)	1.50
Geological Circular No. 7; Offshore Exploration for Gas Under the Canadian Waters of the Great Lakes by: A.C. Newton and W.E. Koepke (1964)50

The following maps, microfilm, and prints of well history cards and related technical information may be obtained by writing to: Ministry of Natural Resources, Petroleum Resources Section, Whitney Block, 4th floor, Toronto M7A 1W3, Ontario. (416-965-1981).

MAPS

WELL LOCATION AND STATUS (current)

****1. NTS Series — Key Map \$1.00 each**

A2, 3, (3A Pelee Is.)	F4 to 17 (incl)
B1 to 5 (incl)	G6 to 10 (incl)
C1 to 7 (incl)	H7 to 9 (incl)
D3 to 13 (incl)	I7 to 9 (incl)
E4 to 18 (incl)	J7 to 8 (incl)
	K7 to 8 (incl)

Scale: 1:30 000

****2. Field and Pool \$1.00 each**

Acton	General Dawn 5-27-III
Arthur	Glencoe
Avonry	Gobles
Bayfield	Hemlock
Bayham	Hornby
Becher	Innerkip, Innerkip East
W. Becher	Kimball-Colinville, Payne
Bentpath	Seckerton, Corunna
Bickford	Ladysmith
Bickford East	Malden
Bothwell-Thamesville	Norfolk
Brigden	Norwich South
Brooke	Oil City
Camden Gore	Oil Springs
Chatham A	Oil Springs East
Chatham B	Osborne
Chatham C	Oxley
Clearville	Petrolia East
Colchester South	Plympton-Sarnia A

Courtright	Plympton-Sarnia B
Coveny	Plympton-Sarnia C
Dashwood	Rodney
Dawn No. 1	Rosedale
Dawn 4-28-III	Ruscom River
Dawn No. 47-49	Sombra
Duffton	Terminus, Terminus North Otter Creek, Otter Creek East
Dawn No. 59-85	Tilbury A
Dawn No. 156	Tilbury B
Dawn No. 167	Tipperary
Dover	Venison Creek
Dresden	Verschoyle West
Dungannon	Warwick
Ekfrid	Waubuno
Enniskillen No. 26	Willey
Enniskillen No. 28	Wilson Croft
Florence	Wilsonville
	Wilsonville South
	Zone

Scale: 1:20 000

****3. Lake Maps 2.00 each**

Lake Erie: Map-A	79°-30'-78°-55'
Map-B	80°-00'-79°-30'
Map-C	80°-30'-80°-00'
Map-D	81°-00'-80°-30'
Map-E	81°-30'-81°-00'
Map-F	82°-00'-81°-30'
Map-G	83°-10'-82°-30'

Lake Erie Grid System - Leases and Licences 1.00 each

Scale: 1:500 000

****4. Geological Maps 1.00 each**

1263A (1969)

69-1 Oil & Gas Fields Southwestern Ontario

Scale: 1:250 000

S.W. Regional Structure Contour Maps 5.00 each

Scale: 1:250 000

76-100 Precambrian	76-105 Salina
76-101 Cambrian	76-106 Bass Islands
76-102 Trenton	76-107 Dundee
76-103 Queenston	76-109 A-2
76-104 Rochester	

Lake Erie Geological maps 3.00 each

Scale: 1:50 000

1.	Queenston Structure	8 maps
2.	Thorold-Grimsby Structure	6 maps
3.	Irondequoit-Reynales Structure	8 maps
4.	Guelph Structure	8 maps

5.	A-2 Structure	8 maps
6.	B-Marker Structure	8 maps
7.	Bass Islands Structure	8 maps
8.	Dundee Structure	5 maps
1.	Drift Isopach	8 maps
2.	Devonian-Carbonate Isopach	8 maps
3.	Bass Islands Isopach	8 maps
4.	Guelph-Rochester Isopach	8 maps
5.	Whirlpool Isopach	5 maps

Xerox facilities

Xerox copies of all production reports, engineering reports, core analyses and well history cards25 per copy

Miscellaneous Reports

Some Environmental Aspects of Lake Erie Natural Gas Exploration
The New Petroleum Resources Data System
A Look at Lake Erie Exploration
Clinton Exploration and Production on the Ontario side of Lake Erie

Microfilm

** Set of well history cards complete to December 31st, 1973, containing approximately 15,000 wells 100.00

Contents

Number Index

A	Field Report, General Geological Reconnaissance of Hudson Bay – Summer 1908
B	Detailed Geomorphic Evaluation James Bay
C	Detailed Geomorphic Evaluation, James Bay Lowlands, Aquitaine (compiled by Geophoto)
D	Studies of Samples collected around the Hudson Bay Lowlands & Northern Islands – Canada – Summer 1968. Comparisons with Kaskattama No. 1 well – 1969
E	Aeromagnetic Interpretation for part of Moosonee River Basin, District of Cochrane, Aquitaine – 1969
F	Aerial Magnetic Interpretation Moose River Area, Mid-Eastern Oil and Gas Ltd., Anthony Oil & Gas Explorations Ltd., Dolphin Explorations, Ltd.
G	Gravity Survey, Moose River Area, Mid-Eastern Oil & Gas Ltd., Anthony Oil & Gas Ltd., Dolphin Explorations Ltd.
H	Gravity Survey, Fort Severn Area, Mid-Eastern Oil & Gas Ltd., Anthony Oil & Gas Explorations Ltd., Dolphin Explorations Ltd.

Contents

Number Index

I	Aerial Magnetic Interpretation, Fort Severn Area, Mid-Eastern Oil & Gas Ltd., Anthony Gas & Oil Explorations Ltd., Dolphin Explorations Ltd.
J	Aerial Magnetic Interpretation, Moose River Area, Transalta Oil & Gas Ltd.
K	Gravity Survey, Moose River Area, Transalta Oil & Gas Ltd.
L	Transalta – Geological Report, Lic. No. 14502 and 14503 – James Bay
M	Aquitaine – Laboratory Report Pen. No. 1 Well
N	Bluewater – Geomorphic Evaluation, Moose River Basin
O	Bluewater – G.S.C. Magnetic Data, James Bay
P	Bluewater – Geology, James Bay
Q	Mariner – Geology and Petroleum Possibilities, Moose River Basin
R	Aquitaine – Palynoplanktological Study, Sandbank Lake No. 1 Well
S	Consumers' – Aeromagnetic Interpretation, James Bay
T	Consumers' – Interpretation of G.S.C. Aeromagnetic Survey – Soveska River, James Bay
U	Aquitaine – 1. High Sensitivity Aeromagnetic Survey, James Bay – 2. Refraction and Gravity, James Bay
V	Aquitaine – Refraction and Gravity Survey, Hambly Lake Well No. 1
W	Consumers' – Aeromagnetic Survey, Martison Lake
(Not microfilmed)	Report on Airborne Magnetometer surveys for Aquitaine – James Bay Lowlands

****Note:** Subject to 7% Provincial Sales Tax on orders originating in Ontario.

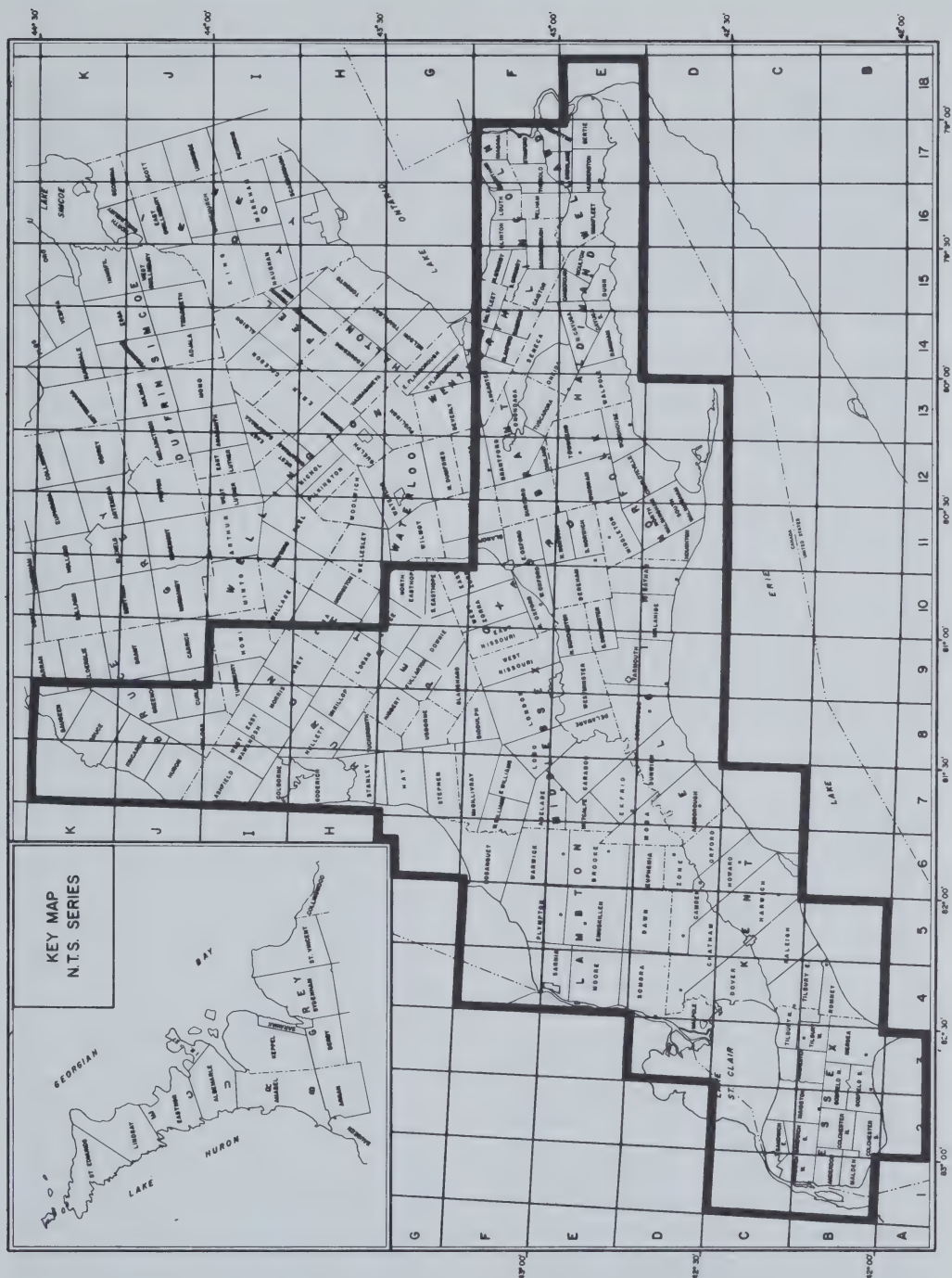


Figure 10 – Key Map NTS Series

TABLE 26 — ALPHABETICAL INDEX OF WELLS

<i>Well Name</i>	<i>Page</i>
Allied Chem G-5 Anderdon 35-1	83
Black No. 1 Canboro 9-I	87
Bluewater Enniskillen 2-30-IX	111
Bluewater True Brooke 1-7-V	99
Bluewater True Sombra 7-1-VII	118
Bluewater-Husky Moore 4-14-VIII	113
Brett Sunbst #9 McGillivray 3-41-NB	121
Clarke Enniskillen 1-1-IV	110
Consumers 13157 Lake Erie 176-S	91
Consumers 13172 Lake Erie 223-P	95
Consumers 13173 Lake Erie 222-D	94
Consumers 13176 Lake Erie 222-V	95
Consumers 13177 Lake Erie 242-K	96
Consumers 13192 Lake Erie 221-H	93
Consumers 13196 Lake Erie 222-M	94
Consumers 13261 Lake Erie 221-L	93
Consumers 13262 Lake Erie 220-F	92
Consumers 13293 Lake Erie 122-M	135
Consumers 13332 Lake Erie 152-C	140
Consumers 13393 Lake Erie 182-X	76
Consumers 13394 Lake Erie 183-X	79
Consumers 13395 Lake Erie 183-H	77
Consumers 13396 Lake Erie 183-S	78
Consumers 13397 Lake Erie 183-P	77
Consumers 13398 Lake Erie 117-K	70
Consumers 13399 Lake Erie 159-C	75
Consumers 13400 Lake Erie 160-I	75
Consumers 13401 Lake Erie 119-D	71
Consumers 13402 Lake Erie 119-Q	71
Consumers 13403 Lake Erie 158-D	74
Consumers 13404 Lake Erie 158-A	73
Consumers 13405 Lake Erie 120-Y	72
Consumers 13406 Lake Erie 184-I	79
Consumers 13407 Lake Erie 121-K	72
Consumers 13409 Lake Erie 186-C	80
Consumers 13410 Lake Erie 186-D	81
Consumers 13411 Lake Erie 186-F	82
Consumers 13412 Lake Erie 186-F	81
Consumers 13413 Lake Erie 155-Q	73
Consumers 13414 Lake Erie 95-N	134
Consumers 13415 Lake Erie 123-O	136
Consumers 13417 Lake Erie 123-X	136
Consumers 13419 Lake Erie 122-W	135
Consumers 13422 Lake Erie 155-L	145
Consumers 13423 Lake Erie 155-K	144
Consumers 13425 Lake Erie 154-A	141
Consumers 13426 Lake Erie 154-C	141
Consumers 13428 Lake Erie 154-I	142

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Consumers 13433 Lake Erie 154-Y	144
Consumers 13434 Lake Erie 154-X	143
Consumers 13435 Lake Erie 154-S	143
Consumers 13436 Lake Erie 188-B	145
Consumers 13438 Lake Erie 125-O	138
Consumers 13439 Lake Erie 125-E	137
Consumers 13440 Lake Erie 125-G	137
Consumers 13441 Lake Erie 97-S	134
Consumers 13443 Lake Erie 125-I	138
Consumers 13445 Lake Erie 126-O	139
Consumers 13447 Lake Erie 126-I	139
Consumers 13448 Lake Erie 57-W	69
Consumers 13449 Lake Erie 55-R	69
Consumers 13450 Lake Erie 99-P	70
Consumers 13451 Lake Erie 94-U	133
Consumers 13454 Lake Erie 160-L	76
Consumers 13455 Lake Erie 159-C	74
Consumers 13456 Lake Erie 183-R	78
Consumers 13468 Lake Erie 186-C	80
Consumers 13470 Lake Erie 176-U	92
Consumers 32475 Sombra 2-1-X	118
Consumers 33001 Humberstone 11-V	157
Consumers 33002 Humberstone 12-V	157
Consumers 33003 Humberstone 11-V	156
Consumers 33004 Humberstone 11-V	156
Consumers 33005 Humberstone 10-V	155
Consumers 33006 Humberstone 12-V	158
Consumers 33007 Humberstone 10-V	155
Craven Charlotteville 1-20-IX	127
Craven Charlotteville 2-21-VII	128
Craven Charlotteville 3-21-VIII	129
Craven Charlotteville 3-22-IX	130
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Craven Charlotteville 4-19-X	127
Craven Charlotteville 5-17-VIII	126
Craven North Walsingham 3-8-VII	146
Craven North Walsingham 6-10-VII	147
Craven North Walsingham 6-13-IX	149
Craven North Walsingham 6-13-X	150
Craven North Walsingham 7-7-VII	146
Craven North Walsingham 7-9-IX	147
Craven North Walsingham 8-12-VII	148
Craven North Walsingham 8-12-VIII	148
Craven South Walsingham 3-7-IV	152
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Craven Union Charlotteville 3-16-IX	126
Craven-Union Charlotteville 4-22-VII	129

TABLE 26 — ALPHABETICAL INDEX OF WELLS — cont'd.

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Craven Union North Walsingham 1-13-VIII.	149
Craven-Union North Walsingham 6-14-X.	150
Craven-Union North Walsingham 8-15-X.	151
Craven-Union North Walsingham 8-15-X-A.	151
Craven-Union North Walsingham 8-16-X.	152
Critchfield Brooke 3-5-XI.	98
Dome Storage C Sandwich West 59-I.	86
Dome Storage D Sandwich West 59-I.	85
Dome Storage E Sandwich West 59-I.	87
Dome Storage F Sandwich West 59-I.	86
Dow Moore 1-23-XII.	117
Dow Moore 2-20-XII.	114
Dow Moore 3-21-XII.	115
Dow Moore 5-23-XII.	117
Dow Chem No. 55 Moore 23-XII.	116
Dow Chem No. 56 Moore 23-XII.	116
Drayton Peregrine Dunwich 1-A-A.	68
D. Weylie Glanford 8-12-VII.	160
Fitzgerald Tuckersmith 2-26-I.	90
Forbes No. 1 Dawn 4-24-IV.	100
Forbes No. 2 Dereham 8-25-XI.	154
Forbes No. 3 Dereham 5-24-XI.	153
Forbes No. 5 Dawn 1-25-VI.	102
Forbes No. 6 Dawn 7-26-VII.	105
Forbes No. 7 Dereham 8-28-XII.	154
Forbes No. 8 Dawn 3-25-VI.	103
Forbes No. 9 Malahide 2-91-NTR.	82
Gel Fox No. 1-A Gosfield South 4-FWD.	83
Gel McVittie #2 Gosfield South 6-FWD.	84
Grusshaber No. 1 Brantford 6-WSTBK.	67
G. Ovenden No. 1 Wainfleet 5-23-III.	158
G. Freure No. 1 Gainsborough 7-15-II.	120
Harry Fois No. 1 Gainsborough 7-17-II.	120
Hemlock No. 3 Houghton 2-2-III.	132
Hemlock No. 4 Houghton I-III.	131
Heritage Dawn 1-26-II.	103
Heritage Dawn 2-26-II.	104
Jean Garlow #1 Tuscarora 1-2-V.	68
J.F. No. 1 Houghton 6-4-II.	132
J. Olaski No. 5 Caistor 6-10-IV.	119
Kenartha No. 6 Arthur 8-23-VI.	159

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Kenartha No. 8 Arthur 8-24-VII	159
Mawson No. 1 McGillivray 3-5-XIX	121
McClure Moore 1-3-XI	111
McClure-Union Dawn 1-27-VI	105
McClure-Union Dawn 2-26-VI	104
Mercury Moore 6-14-III	113
Mercury Moore 8-13-III	112
Metalore No. 48 Charlotteville 2-11-II	125
Metalore No. 49 Charlotteville 3-8-A	124
Metalore No. 50 Charlotteville 6-5-VIII	122
Metalore No. 51 Charlotteville 4-7-II	123
Metalore No. 52 Charlotteville 7-21-III	128
Moore No. 2 Seneca 8-9-N.T.	89
Murphy Redco Burford 7-14-VIII	67
New Kelore et al 2 Orford 2-18-VIII	96
New Kelore No. 1 Orford 1-23-IX	97
New Metalore 25 Charlotteville 2-9-II	124
New Metalore 30 Charlotteville 7-7-V	123
Pinetree Ram Raleigh 3-4-X	97
Place Lake Erie 21-B.	88
Place No. 2 Lake Erie 22-E	89
Place No. 3 Lake Erie 63-N.	133
Place No. 4 Lake Erie 18-L	88
Pridmore No. 2 South Cayuga 1-14-IV	90
P.H. & H. Malden 3-41-IV	84
Ram No. 49 Dawn 3-19-XII	99
Ram No. 50 Dawn 2-32-VIII	106
Ram No. 51 Dawn 4-33-IX	109
Ram No. 52 Dawn 4-32-VIII	107
Ram No. 53 Dawn 3-32-VIII	107
Ram No. 54 Sombra 8-18-VII	119
Ram No. 55 Dawn 4-33-VIII	109
Ram No. 56 Moore 3-4-II	112
Ram No. 57 Enniskillen 6-27-XIII	110
Ram No. 58 Dawn 7-32-IX	108
Ram No. 59 Dawn 1-32-VIII	106
Ram No. 60 Dawn 6-32-VIII	108
Revlow No. 1 Rochester 2-13-SMR	85
Roberts No. 45 Charlotteville 3-9-IV	125
R&R I. Paling 1 Camden Gore 4-XII	91
R&R Adrian Kaster No. 1 Zone 8-2-V	98
R. Bourns Glanford 4-22-VII	161

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<i>Well Name</i>	<i>Page</i>
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Tec Seck No. 17 Moore 21-IX.	114
Tec Seck No. 19 Moore 21-X	115
Union Dawn 242 Dawn 25-II	102
Union Dawn 243 Dawn 24-II	100
Union Dawn 244 Dawn 25-II	101
Union Dawn 245 Dawn 25-II	101

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4213	Gel Fox No. 1-A Gosfield South 4-FWD	83
4215	Critchfield Brooke 3-5-XI	98
4263	Pinetree Ram Raleigh 3-4-X	97
4287	Sunburst GB #7 McGillivray 41-N.B.	122
4289	Harry Fois No. 1 Gainsborough 7-17-11	120
4292	Black No. 1 Canboro 9-I	87
4293	Heritage Dawn 1-26-II	103
4301	J.F. No. 1 Houghton 6-4-II	132
4304	Ram No. 49 Dawn 3-19-XII	99
4305	Union Dawn 242 Dawn 25-II	102
4307	Union Dawn 243 Dawn 24-II	100
4308	Union Dawn 244 Dawn 25-II	101
4309	Union Dawn 245 Dawn 25-II	101
4312	Ram No. 50 Dawn 2-32-VIII	106
4313	Hemlock No. 3 Houghton 2-2-III	132
4314	Heritage Dawn 2-26-II	104
4315	Kenartha No. 6 Arthur 8-23-VI	159
4316	Bluewater Enniskillen 2-30-IX	111
4317	Dow Chem No. 55 Moore 23-XII	116
4318	Dow Chem No. 56 Moore 23-XII	116
4319	Forbes No. 1 Dawn 4-24-IV	100
4320	Consumers 32475 Sombra 2-1-X	118
4321	Forbes No. 2 Dereham 8-25-XI	154
4322	Bluewater-Husky Moore 4-14-VIII	113
4323	Pridmore No. 2 South Cayuga 1-14-IV	90
4324	Drayton Peregrine Dunwich 1-A-A	68
4325	Ram No. 51 Dawn 4-33-IX	109
4326	P.H. & H. Malden 3-41-IV	84
4327	Dome Storage C Sandwich West 59-I	86
4328	Dome Storage D Sandwich West 59-I	85
4329	McClure-Union Dawn 1-27-VI	105
4330	Forbes No. 3 Dereham 5-24-XI	153
4331	Mercury Moore 8-13-III	112
4332	Ram No. 52 Dawn 4-32-VIII	107
4333	Ram No. 53 Dawn 3-32-VIII	107
4335	Dow Moore 3-21-XII	115
4336	Jean Garlow #1 Tuscarora 1-2-V	68
4402	Tec Seck No. 17 Moore 21-IX	114
4404	Forbes No. 5 Dawn 1-25-VI	102
4405	Forbes No. 7 Dereham 8-28-XII	154
4406	Metalore No. 48 Charlotteville 2-11-II	125
4407	Gel McVittie #2 Gosfield South 6-FWD	84
4408	Dome Storage E Sandwich West 59-I	87
4409	Dome Storage F Sandwich West 59-I	86
4410	Moore No. 2 Seneca 8-9-N.T.	89
4411	Mawson No. 1 McGillivray 3-5-XIX	121
4412	Clarke Enniskillen 1-1-IV	110
4413	Fitzgerald Tuckersmith 2-26-I	90
4414	Place No. 3 Lake Erie 63-N	133

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4415	Metalore No. 49 Charlotteville 3-8-A	124
4416	G. Freure No. 1 Gainsborough 7-15-II	120
4417	Consumers 13393 Lake Erie 182-X	76
4418	Consumers 13394 Lake Erie 183-X	79
4419	Consumers 13395 Lake Erie 183-H	77
4420	Consumers 13396 Lake Erie 183-S	78
4421	Consumers 13397 Lake Erie 183-P	77
4422	Consumers 13398 Lake Erie 117-K	70
4423	Consumers 13399 Lake Erie 159-C	75
4424	Consumers 13400 Lake Erie 160-I	75
4425	Consumers 13401 Lake Erie 119-D	71
4426	Consumers 13402 Lake Erie 119-Q	71
4427	Consumers 13403 Lake Erie 158-D	74
4428	Consumers 13404 Lake Erie 158-A	73
4429	Consumers 13405 Lake Erie 120-Y	72
4430	Consumers 13406 Lake Erie 184-I	79
4431	Consumers 13449 Lake Erie 55-R	69
4432	Consumers 13450 Lake Erie 99-P	70
4433	Kenartha No. 7 Arthur 8-25-VI	160
4434	Murphy Redco Burford 7-14-VIII	67
4435	Allied Chem G-5 Anderdon 35-I	83
4436	Revlow No. 1 Rochester 2-13-SMR	85
4437	Consumers 13414 Lake Erie 95-N	134
4438	Consumers 13407 Lake Erie 121-K	72
4439	Consumers 13293 Lake Erie 122-M	135
4441	Consumers 13415 Lake Erie 123-O	136
4443	Consumers 13332 Lake Erie 152-C	140
4445	Consumers 13431 Lake Erie 153-R	140
4446	Consumers 13425 Lake Erie 154-A	141
4447	Consumers 13426 Lake Erie 154-C	141
4449	Consumers 13428 Lake Erie 154-I	142
4452	Consumers 13432 Lake Erie 154-P	142
4453	Consumers 13435 Lake Erie 154-S	143
4454	Consumers 13434 Lake Erie 154-X	143
4455	Consumers 13433 Lake Erie 154-Y	144
4457	Consumers 13423 Lake Erie 155-K	144
4458	Consumers 13422 Lake Erie 155-L	145
4459	Consumers 13436 Lake Erie 188-B	145
4460	R. Bourns Glanford 4-22-VII	161
4461	Metalore No. 50 Charlotteville 6-5-VIII	122
4462	Ram No. 54 Sombra 8-18-VII	119
4463	Consumers 13438 Lake Erie 125-O	138
4464	Consumers 13439 Lake Erie 125-E	137
4465	Consumers 13440 Lake Erie 125-G	137
4466	Consumers 13441 Lake Erie 97-S	134
4468	Consumers 13443 Lake Erie 125-I	138
4470	Consumers 13445 Lake Erie 126-O	139
4472	Consumers 13447 Lake Erie 126-I	139
4473	Consumers 13448 Lake Erie 57-W	69

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4474	Consumers 13451 Lake Erie 94-U	133
4478	Brett Sunbst #9 McGillivray 3-41-NB	121
4480	Consumers 13409 Lake Erie 186-C	80
4481	Consumers 13410 Lake Erie 186-D	81
4482	Consumers 13411 Lake Erie 186-F	82
4483	Consumers 13412 Lake Erie 186-F	81
4484	Consumers 13413 Lake Erie 155-Q	73
4485	Consumers 13417 Lake Erie 123-X	136
4487	Consumers 13419 Lake Erie 122-W	135
4489	Grusshaber No. 1 Brantford 6-WSTBK.	67
4490	Metalore No. 51 Charlotteville 4-7-II	123
4491	Hemlock No. 4 Houghton 2-1-III	131
4492	Consumers 13157 Lake Erie 176-S.	91
4493	Consumers 13172 Lake Erie 223-P	95
4494	Consumers 13173 Lake Erie 222-D	94
4497	Consumers 13176 Lake Erie 222-V	95
4498	Consumers 13177 Lake Erie 242-K	96
4500	Consumers 13192 Lake Erie 221-H	93
4501	Consumers 13196 Lake Erie 222-M	94
4503	Consumers 13454 Lake Erie 160-L	76
4504	McClure-Union Dawn 2-26-VI	104
4505	Ram No. 55 Dawn 4-33-VIII	109
4506	Craven Charlotteville 4-19-X	127
4507	New Kelore No. 1 Orford 1-23-IX	97
4508	Metalore No. 52 Charlotteville 7-21-III	128
4509	Tec Seck No. 19 Moore 21-X	115
4510	Consumers 13455 Lake Erie 159-C	74
4511	Craven Charlotteville 3-21-VIII	129
4512	Craven Union Charlotteville 3-16-IX	126
4513	Place Lake Erie 21-B	88
4514	D. Weylie Glanford 8-12-VII	160
4515	Craven Charlotteville 1-20-IX	127
4516	G. Ovenden No. 1 Wainfleet 5-23-III	158
4517	Craven Union Charlotteville 8-22-VII	130
4519	Place No. 2 Lake Erie 22-E	89
4520	Ram No. 56 Moore 3-4-II	112
4521	Craven Charlotteville 5-17-VIII	126
4523	Craven Charlotteville 3-22-IX	130
4524	Ram No. 57 Enniskillen 6-27-XIII	110
4525	Craven North Walsingham 8-12-VIII	148
4526	Mercury Moore 6-14-III	113
4527	Craven North Walsingham 6-13-IX	149
4528	Consumers 13456 Lake Erie 183-R	78
4540	Place No. 4 Lake Erie 18-L	88
4542	Consumers 13261 Lake Erie 221-L	93
4543	Consumers 13262 Lake Erie 220-F	92
4544	Forbes No. 6 Dawn 7-26-VII	105
4545	Kenartha No. 8 Arthur 8-24-VII	159
4546	Craven North Walsingham 8-12-VII	148

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4547	McClure Moore 1-3-XI	111
4550	Dow Moore 5-23-XII	117
4551	Dow Moore 2-20-XII	114
4553	Craven Union North Walsingham 1-13-VIII	149
4554	New Kelore et al 2 Orford 2-18-VIII	96
4555	R&R I. Paling 1 Camden Gore 4-XII.	91
4556	Forbes No. 8 Dawn 3-25-VI	103
4557	J. Olaski No. 5 Caistor 6-10-IV	119
4558	Craven North Walsingham 6-10-VII	147
4559	New Metalore 25 Charlotteville 2-9-II	124
4561	Consumers 13468 Lake Erie 186-C	80
4564	Dow Moore 1-23-XII	117
4565	Ram No. 58 7-32-IX	108
4567	Consumers 13470 Lake Erie 176-U	92
4568	Craven South Walsingham 3-13-VI	153
4569	Forbes No. 9 Malahide 2-91-NTR	82
4571	Roberts No. 45 Charlotteville 3-9-IV	125
4573	Bluewater True Sombra 7-1-VII	118
4574	New Metalore 30 Charlotteville 7-7-V	123
4575	Ram No. 59 Dawn 1-32-VIII	106
4576	Craven South Walsingham 3-7-IV	152
4577	Bluewater True Brooke 1-7-V	99
4579	Consumers 33001 Humberstone 11-V	157
4580	Consumers 33002 Humberstone 12-V	157
4581	Consumers 33003 Humberstone 11-V	156
4582	Consumers 33004 Humberstone 11-V	156
4583	Consumers 33005 Humberstone 10-V	155
4584	Consumers 33006 Humberstone 12-V	158
4585	Consumers 33007 Humberstone 10-V	155
4586	R&R Adrian Kaster No. 1 Zone 8-2-V	98
4587	Craven North Walsingham 7-7-VII	146
4588	Craven North Walsingham 7-9-IX	147
4590	Craven North Walsingham 3-8-VII	146
4591	Craven-Union Charlotteville 4-22-VII	129
4592	Craven North Walsingham 6-13-X	150
4594	Ram No. 60 Dawn 6-32-VIII	108
4598	Craven Charlotteville 3-24-VI	131
4599	Craven Charlotteville 2-21-VII	128
4601	Craven-Union North Walsingham 6-14-X	150
4608A	Craven-Union North Walsingham 8-15-X-A	151
4608	Craven-Union North Walsingham 8-15-X	151
4609	Craven-Union North Walsingham 8-16-X	152

CLASS: DEVEL	FIELD/POOL: BRANT	TOWNSHIP: TUSCARORA	LOT: 2	CONCESSION: V	YEAR: 1977	STATUS: GAS PRODUCER
COUNTY: BRANT	WELL NAME: JEAN GARLOW #1 TUSCARORA 1-2-V	PERMIT NO.: 4336	LOT: 2	CONC: V		
OPERATOR: HYSLOP, GEORGE LTD	TOTAL DEPTH: 575'	PBID: 661** 2'				
DILLING CO.: MOERSCHELDER, F.	RIG TYPE: CAB	ELEV: 594 W				
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES: 4771S; 594 W					
GEOLOGICAL CONTACTS:	TOP	ELEV	THICK			
Sample shot at	62 ft					
Drift/Lake bottom	2					
PRI LAMBERTON	Kettle Point					
HAMILTON	Moreville					
Detroit	Dundee					
RIVER	Lucas					
	Amherstburg					
	Bois Blanc					
	Bas Islands					
	G unit shale					
	F unit shale					
	E unit carb					
	D unit soil					
	C unit shale					
	B unit soil					
	A2 unit soil					
	A1 unit carb					
	Guelph					
	Eramosa					
	Gosport					
	Good Island					
	Amabel					
	Rochester					
	Hondequilt					
	Reynolds					
	Thorold					
	Grimaby					
	Cobol Head					
	Monticoulin					
	Whirpool					
	Queensston					
	Medford Dundas					
	Collingwood					
	Cabourg					
	Trenton					
	Verulam					
	Kirkfield					
	Cobcong					
	Black River					
	Shadow Lake					
	Cambrian					
	Precambrian					
	Total Depth Samples	575 ft				
	REMARKS					
	LOGGING CO:					
	LOGGED INTERVAL	TYPE	LOGGED INTERVAL	TYPE		
	NIL					
	CORING RECORD					
	CONDITION	STORED				
	CORED INTERVAL	REC	ANAL	CORED INTERVAL	REC	ANAL
	NIL					
	FINAL RESULTS					
	OIL	NIL				
	GAS	19 MCF/D				
	PRESSURE	165 PSIG				
	PRODUCING INTVL	467'-470'				
	PERFORATED	OPEN HOLE YES				
	FORMATIONS(S)	THOROLD				
	D.S.T. (S) ON FILE					
	TREATMENT:					

CLASS: DEVEL	FIELD/POOL: DUNNICH	TOWNSHIP: DUNNICH	LOT: 501	CONCESSION: A	YEAR: 1977	STATUS: DRY HOLE
COUNTY: ELGIN	WELL NAME: DRAYTON PEREGRIN DUNNICH 1-501-A	PERMIT NO.: 4324	LOT: 501	CONC: A		
OPERATOR: DRAYTON PET-LTD.	TOTAL DEPTH: 595'	PBID: 749** 1'				
DILLING CO.: NEIDPORT WELLINGTON	RIG TYPE: CAB	ELEV: 749** 1'				
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES: 2004S; 200 W					
GEOLOGICAL CONTACTS:	TOP	ELEV	THICK			
Sample shot at	291 ft					
Drift/Lake bottom	1					
PRI LAMBERTON	Kettle Point					
HAMILTON	Moreville					
Detroit	Dundee					
RIVER	Lucas					
	Amherstburg					
	Bois Blanc					
	Bas Islands					
	G unit shale					
	F unit shale					
	E unit carb					
	D unit soil					
	C unit shale					
	B unit soil					
	A2 unit soil					
	A1 unit carb					
	Guelph					
	Eramosa					
	Gosport					
	Good Island					
	Amabel					
	Rochester					
	Hondequilt					
	Reynolds					
	Thorold					
	Grimaby					
	Cobol Head					
	Monticoulin					
	Whirpool					
	Queensston					
	Medford Dundas					
	Collingwood					
	Cabourg					
	Trenton					
	Verulam					
	Kirkfield					
	Cobcong					
	Black River					
	Shadow Lake					
	Cambrian					
	Precambrian					
	Total Depth Samples	589 ft				
	REMARKS					
	LOGGING CO:					
	LOGGED INTERVAL	TYPE	LOGGED INTERVAL	TYPE		
	NIL					
	CORING RECORD					
	CONDITION	STORED				
	CORED INTERVAL	REC	ANAL	CORED INTERVAL	REC	ANAL
	NIL					
	FINAL RESULTS					
	OIL	NIL				
	GAS	NIL				
	PRESSURE					
	PRODUCING INTVL					
	PERFORATED	OPEN HOLE				
	FORMATIONS(S)					
	D.S.T. (S) ON FILE					
	TREATMENT:					

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 55		CONCESSION: R		YEAR: 1977	
CLASS: NFW		FIELD/POOL:		STATUS: GAS SHOW		-ABD			
COUNTRY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 55 CONC: R		44/31			
WELL NAME: CONSUMERS 13449 LAKE ERIE 55-R		OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1620'		PERM NO: 44/31		RIG TYPE: ORJ ELEV. 573+44'	
DRILLING CO: UNDERMATER GAS DEV		GEOLOGICAL CONTACTS:		CO-ORDINATES:					
GEOLOGICAL CONTACTS:		TOP		ELEV		THICK		LONGITUDE: 42-35-30 N	
Samples start at		325 ft		44		573		SECT: 1	
Lake/Ground level		44		573					
Drill/Lake bottom		95							
PRT LAMBERTON									
Kettle Point		246							
HAMILTON		280							
Lucas		296							
DETROIT		418							
RIVER		600							
Bois Blanc		664							
Bois Blanc		750							
G unit shale		777							
F unit shale		860							
E unit shale		980							
D unit shale		1008							
C unit shale		1054							
B unit shale		1070							
A2 unit shale		1118							
A1 unit shale		1125							
Guelpish		1132							
Enderman									
Good Island									
Goodport									
ROCKSTAR		1426							
Londonsville		1454							
Reynolds		1470							
Thurston		1479							
Grimsby		1508							
Cobol Head		1562							
Mortonville		1576							
Whitpool		1581							
Queerston									
Medford Dundas									
Collingwood									
Coburn									
Verulam									
Kirkfield									
Cobocook									
Gull River									
Snow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1620 ft		MGC: 7							
REMARKS									
WATER ANALYSIS ON FILE									
OIL		NIT							
GAS		NIT							
PRESSURE		NIT							
PRODUCING INTVL.		NIT							
PERFORATED		OPEN HOLE							
TREATMENT:		FORMATIONS							
D.S.T (S) ON FILE									

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 57		CONCESSION: W		YEAR: 1977	
CLASS: NFW		FIELD/POOL:		STATUS: GAS SHOW		-ABD			
COUNTRY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 57 CONC: W		44/73			
WELL NAME: CONSUMERS 13448 LAKE ERIE 57-W		OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1627'		PERM NO: 44/73		RIG TYPE: ORJ ELEV. 573+44'	
DRILLING CO: UNDERMATER GAS DEV		GEOLOGICAL CONTACTS:		CO-ORDINATES:					
GEOLOGICAL CONTACTS:		TOP		ELEV		THICK		LONGITUDE: 42-35-10 N	
Samples start at		340 ft		44		573		SECT: 1	
Lake/Ground level		44		573					
Drill/Lake bottom		96							
PRT LAMBERTON									
Kettle Point		276							
HAMILTON		320							
Lucas		228							
DETROIT		462							
RIVER		616							
Bois Blanc		676							
Bois Blanc		768							
G unit shale		796							
F unit shale		876							
E unit shale		998							
D unit shale		1024							
C unit shale		1062							
B unit shale		1080							
A2 unit shale		1124							
A1 unit shale		1130							
Guelpish		1142							
Enderman									
Good Island									
Goodport									
ROCKSTAR		1428							
Londonsville		1452							
Reynolds		1464							
Thurston		1481							
Grimsby		1508							
Cobol Head		1568							
Mortonville		1580							
Whitpool		1584							
Queerston									
Medford Dundas									
Collingwood									
Coburn									
Verulam									
Kirkfield									
Cobocook									
Gull River									
Snow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1627 ft		MGC: 7							
REMARKS									
WATER ANALYSIS ON FILE									
OIL		NIT							
GAS		NIT							
PRESSURE		NIT							
PRODUCING INTVL.		NIT							
PERFORATED		OPEN HOLE							
TREATMENT:		FORMATIONS							
D.S.T (S) ON FILE									

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 99	CONCESSION: P	YEAR: 1977								
CLASS: EXTEN		FIELD/POOL: SILVER CR. (L. ERIE)		STATUS: GAS SHOW		-ABD								
COUNTRY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 99	CONC: P	PERMIT NO: 4432										
WELL NAME: CONSUMERS 13450 LAKE ERIE 99-P	OPERATOR: CONSUMERS GAS CO.	TOTAL DEPTH: 1698'	RIG TYPE: ORJ	ELEV: 573'+25'										
DRILLING CO: UNDERWATER GAS DEV	CO-ORDINATES: 42-31-25 N													
GEOLOGICAL CONTACTS:	LONGITUDE: 80-54-36 W	SEQ: 1												
Samples short of	373 ft	TOP	ELEV	THICK										
DEVIATION														
PR1 LAMBERTON	Lat/Ground level	25	573											
	Drift/Lake bottom	88												
	Keefe Point													
HAMILTON	Marcellus	234												
	Dundee	356												
	Lucas	370												
DETROIT	Amherstburg	544												
RIVER	Bois Blanc	610												
	Bois Blanc	730												
	G unit shale	844												
	F unit shale	874												
	E unit carb	947												
	D unit shale	1074												
	C unit shale	1100												
	B unit shale	1146												
	A2 unit carb	1208												
	A1 unit carb	1217												
	Guelph	1242												
	Ecomoso													
	Geot Island													
AMABEL	Gaspot	1496												
	Rochester	1526												
	Hondequilt	1538												
	Reynolds	1544												
	Thorold	1584												
	Grimby	1643												
CATARACT	Cabot Head	1655												
	Manitoulin	1658												
	Whirpool													
	Queens													
	Medford Dundas													
	Collingwood													
TRENTON	Cobourg													
	Verulam													
Kirkfield														
Cobocoon														
Gul River														
Shadow Lake														
CAMBRIAN														
PRECAMBRIAN														
Total Depth Samples	1650 ft	MOQ: 7												
REMARKS														
D.S.T. (S) ON FILE														
TREATMENT:														
OIL GAS PRESSURE PRODUCING INTVL. PERFORATED OPEN HOLE FORMATIONS(S)														

COUNTY: ELGIN			TOWNSHIP: LAKE ERIE			LOT: 117			CONCESSION: K			YEAR: 1977		
CLASS: NEW			FIELD/POOL: LAKE ERIE			STATUS: DRY HOLE			-ABD					
COUNTRY: ELGIN			TOWNSHIP: LAKE ERIE			LOT: 117 CONC: K			PERMIT NO: 4422					
WELL NAME: CONSUMERS 13398 LAKE ERIE 117-K			TOTAL DEPTH: 1850'			RIG TYPE: ORJ			ELEV: 573'+24'					
OPERATOR: CONSUMERS GAS CO			DRILLING CO: UNDERWATER GAS DEV			GEOLOGICAL CONTACTS: 455 ft			SPL. TRAY NO.: 3046			INDEX NO: 972		
DEVIATION			LATITUDE: 42-27-20 N			CONFIDENTIAL: JUNE 12, 1978			SPUNDED: JUNE 6, 1978			COMPLETED: JUNE 12, 1977		
PR1 LAMBERTON			Drift/Lake bottom			93			573					
HAMILTON			Keefe Point			322			427					
Dundee			Lucas			437			583					
DETROIT RIVER			Amherstburg			716			Bois Blanc					
Bois Blanc			Bois Blanc			782			G unit shale			948		
F unit shale			E unit shale			973			D unit shale			1058		
C unit shale			B unit shale			1190			A2 unit carb			1286		
A-1 unit carb			Guelph			1378			Ecomoso					
Geot Island			Gaspot			1638			Rochester			1674		
Hondequilt			Reynolds			1687			Thorold			1696		
Grimaby			Cabot Head			1736			Manitoulin			1801		
Whirpool			Queens			1806			Medford Dundas					
Collingwood			Cobourg						Verulam					
Kirkfield			Cobocoon						Gull River					
Shadow Lake														
CAMBRIAN														
PRECAMBRIAN														
Total Depth Samples 1850 ft			MOQ: 7											
REMARKS			D.S.T. (S) ON FILE			TREATMENT:			OIL GAS PRESSURE PRODUCING INTVL. PERFORATED OPEN HOLE FORMATIONS(S)					
SPRINGVALE AT BASE OF BOIS BLANC														

COUNTY: ELGIN				TOWNSHIP: LAKE ERIE				LOT: 119				CONCESSION: D				YEAR: 1977											
CLASS: NEW		FIELD/POOL:		TOWNSHIP: LAKE ERIE		STATUS: GAS SHOW		-ABD		LOT: 119		CONC: D		PERMIT NO.: 4425		TOTAL DEPTH: 1805'		RIG TYPE: ORJ		ELEV. 573'+25'		LATITUDE: 42-29-51 N		LONGITUDE: 80-58-10 W		SEQ.: 1	
WELL NAME: CONSUMERS 13401 LAKE ERIE 119-D		OPERATOR: CONSUMERS GAS CO.		DRILLING CO.: UNDERMATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP		ELEV.		THICK		CONFIDENTIAL: JUNE 16, 1978		SPUDDED: JUNE 13, 1977		COMPLETED: JUNE 16, 1977		ABANDONED: JUNE 17, 1977		SPL. TRAY NO.: 3163		INDEX NO. 983	
Samples start at		454 ft.		25		573										INTERVAL 1615'-1805'		NATURAL FLOW 43 MCF/D		SHOW		S.I. PRESSURE 830 PSIG					
Lake/Gravel level		Duff/Lake bottom		89																							
PRI. LAMBERTON		Kettle Point		240		283																					
HAMILTON		Mercellus		474		485																					
DETROIT		Dundee		624		718																					
RIVER		Lucas		485		624																					
		Amherstburg		624		718																					
		Bois Blanc		718		804																					
		Bois Blanc		804		920																					
		G unit shale		920		946																					
		F unit shale		946		1027																					
		E unit cor		1027		1154																					
		D unit cor		1154		1184																					
		C unit shale		1184		1228																					
		B unit cor		1228		1246																					
		A2 unit cor		1246		1294																					
		A1 unit cor		1294		1304																					
		Guelph		1304		1330																					
		Eganville		1330																							
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COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 155	CONCESSION: Q	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: SILVER CR. (L.ERIE)		STATUS: GAS PRODUCER		
COUNTY: ELGIN	TOWNSHIP: LAKE ERIE		LOT: 155 CONC: 0	4484		
WELL NAME: CONSUMERS 13413 LAKE ERIE 155-Q		TOTAL DEPTH: 1952'		RIG TYPE: ORJ ELEV. 573+24'		
OPERATOR: CONSUMERS GAS CO.		CO-ORDINATES:				
DRILLING CO.: UNDERWATER GAS DEV		LATITUDE: 42-21-40 N		LONGITUDE: 80-43-40 W		
GEOLOGY BY: PETROLEUM RESOURCE		SPL. TRAY No.: 2568		INDEX No. 990		SEQ: 1
GEOLOGICAL CONTACTS:		SPL. TRAY No.: 2568		INDEX No. 990		SEQ: 1
Samples start of	440 ft	TOP	ELEV	THICK		
Lake/Gravel level	24	573				
Dirt/Lake bottom	94					
PRI LAMBERT						
Kettle Point	325					
Hamilton	474					
Morcellus	644					
Dundee	652					
DETROIT RIVER						
Lucas	760					
Amherstburg	839					
Boss Islands	884					
G unit shale	982					
F unit shale	1000					
E unit carb	1078					
D unit soil						
C unit shale	1200					
B unit soil	1250					
A2 unit soil	1290					
A1 unit carb	1308					
Guelph	1346					
Eramosa	1350					
Geot Island	1362					
AMABEL						
Gaspot						
Recheater	1712					
Irondequoit	1757					
Reynolds	1770					
Thorold	1776					
Grimsby	1828					
Cobol Head	1897					
Monticoulin	1914					
Whirpool	1918					
CATARACT						
Queensston						
Medford-Dundas						
Collingwood						
Cobourg						
Verulam						
Kirkfield						
Cobocock						
Gull River						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples	1952 ft	MOCC: 7				
REMARKS						
GAS ANALYSIS ON FILE						
OIL		NIL				
GAS		145 MCF/D				
PRESSURE		707 PSIG				
PRODUCING INTVL.		1774'-1822'				
PERFORATED YES OPEN HOLE						
FORMATION(S)		THOROLD				
D.S.T (S) ON FILE						
TREATMENT:						
FORMATION(S)		THOROLD				

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 158	CONCESSION: A		YEAR: 1977
CLASS: DEVEL		FIELD/POOL: SILVER CR. (L.ERIE)		STATUS: GAS PRODUCER			
COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 158 CONC: A	4428		
WELL NAME: CONSUMERS 13404 LAKE ERIE 158-A		TOTAL DEPTH: 1880'		RIG TYPE: ORJ		ELEV. 573+443'	
OPERATOR: CONSUMERS GAS CO.		CO-ORDINATES:					
DRILLING CO.: UNDERWATER GAS DEV		GEOLOGICAL CONTACTS:					
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:					
Samples start of		450 ft	TOP	ELEV	THICK	SEQ: 1	
Lake/Gravel level		43	573				
Dirt/Lake bottom		115					
PRI LAMBERT							
Kettle Point		362					
Hamilton		382					
Morcellus		558					
Dundee		569					
DETROIT RIVER							
Lucas		670					
Amherstburg		829					
Boss Islands		857					
G unit shale		968					
F unit shale		994					
E unit carb		1074					
D unit soil							
C unit shale		1194					
B unit soil		1228					
A2 unit soil		1270					
A1 unit carb		1332					
Guelph		1338					
Eramosa		1350					
Goat Island							
Gaspot		1682					
AMABEL							
Irondequoit		1716					
Reynolds		1728					
Thorold		1730					
Grimsby		1776					
Cobol Head		1842					
Monticoulin		1855					
Whirpool		1858					
CATARACT							
Queensston							
Medford-Dundas							
Collingwood							
Cobourg							
Verulam							
Kirkfield							
BLACK RIVER							
Cobocock							
Gull River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples 1880 ft							
REMARKS		MCC: 7					
WATER ANALYSIS ON FILE							
OIL		NIL					
GAS		306 MCF/D					
PRESSURE		791 PSIG					
PRODUCING INTVL.		1730'-1744'					
PERFORATED YES OPEN HOLE							
FORMATION(S)		GRIMSBY					
D.S.T (S) ON FILE							
TREATMENT:							
FORMATION(S)		GRIMSBY					

CLASS: DEVEL	FIELD/POOL: SILVER CR. (L.ERIE)	STATUS: GAS PRODUCER
COUNTY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 158 CONC: D
WELL NAME: CONSUMERS 13455 LAKE ERIE 158-D	PERMIT NO.: 4427	
OPERATOR: CONSUMERS GAS CO.	TOTAL DEPTH: 1900' PARTD	
DILLING CO.: UNDERWATER GAS DEV	RIG TYPE: ORJ ELEV. 573+442'	
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES:	
GEOLOGICAL CONTACTS:	DATE: 4-24-05 N	SEQ: 1
Latitude/Longitude: 428 ft	TOP ELEV. THICK.	
Lat/Long bottom	112	
PRI. LAMBERT		
Kettle Point	344	
Marcellus	432	
Dundas	500	
Lucas	622	
Amherstburg	762	
Bois Blanc	794	
Bois Blanc	911	
G unit shale	938	
F unit shale	938	
E unit cor'd	1019	
D unit shale	1140	
C unit shale	1180	
B unit shale	1222	
A2 unit cor'd	1229	
A1 unit cor'd	1279	
Guelpi	1286	
Eromosa	1302	
Good Island		
Gaspport		
Rochester	1687	
Indequeit	1720	
Reynolds	1733	
Thorold	1733	
Grimsey	1733	
Cobol Head	1781	
Monticoulin	1840	
Whirlpool	1856	
Queenship	1858	
Medford Dundas		
Collingwood		
Cobourg		
Vernum		
Kirkfield		
Cobocook		
Gull River		
Shadow Lake		
CAMBRIAN		
PRECAMBRIAN		
Total Depth Samples 1900 ft	MOCC: 7	
REMARKS		
SPRINGVALE AT BASE OF BOIS BLANC		
GAS ANALYSIS ON FILE		
WATER ANALYSIS ON FILE		
2 D.S.T(S) ON FILE	TREATMENT:	FINAL RESULTS
	FORMATIONS(S) THOROLD	
	PERFORATED YES OPEN HOLE	
	621MSB-X	

CLASS: NEW	FIELD/POOL: SILVER CR. (L.ERIE)	STATUS: GAS PRODUCER
COUNTY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 159 CONC: C
WELL NAME: CONSUMERS 13455 LAKE ERIE 159-C	PERMIT NO.: 4510	
OPERATOR: CONSUMERS GAS CO.	TOTAL DEPTH: 1900' PARTD	
DILLING CO.: UNDERWATER GAS DEV	RIG TYPE: ORJ ELEV. 573+422'	
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES:	
GEOLOGICAL CONTACTS:	DATE: 4-24-27 N	SEQ: 1
Latitude/Longitude: 481 ft	TOP ELEV. THICK.	
Lat/Long bottom	91	
PRI. LAMBERT		
Kettle Point	295	
Marcellus	432	
Dundas	443	
Lucas	580	
Amherstburg	706	
Bois Blanc	812	
Bois Blanc	942	
G unit shale	968	
F unit shale	968	
E unit cor'd	1050	
D unit shale	1176	
C unit shale	1210	
B unit shale	1256	
A2 unit cor'd	1274	
A1 unit cor'd	1318	
Guelpi	1323	
Eromosa	1340	
Good Island		
Gaspport		
Rochester	1670	
Indequeit	1702	
Reynolds	1716	
Thorold	1726	
Grimsey	1726	
Cobol Head	1768	
Monticoulin	1824	
Whirlpool	1838	
Queenship	1842	
Medford Dundas		
Collingwood		
Cobourg		
Vernum		
Kirkfield		
Cobocook		
Gull River		
Shadow Lake		
CAMBRIAN		
PRECAMBRIAN		
Total Depth Samples 1880 ft	MOCC: 7	
REMARKS		
SPRINGVALE AT BASE OF BOIS BLANC		
GAS ANALYSIS ON FILE		
WATER ANALYSIS ON FILE		
2 D.S.T(S) ON FILE	TREATMENT:	FINAL RESULTS
	FORMATIONS(S) THOROLD	
	PERFORATED YES OPEN HOLE	
	621MSB-X	

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 159		CONCESSION: C		YEAR: 1977	
CLASS: NEW		FIELD/POOL: SILVER CR. (L. ERIE)		STATUS: GAS PRODUCER					
COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 159		CONC: C		4423	
WELL NAME: CONSUMERS 13599		LAKE ERIE 159-C		TOTAL DEPTH: 1000'		RBD: 966'		573'+24"	
OPERATOR: CONSUMERS GAS CO.		UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV.			
DRILLING CO: UNDERWATER GAS DEV		CO-ORDINATES: 42-29-27 N		LONGITUDE: 81-02-43 W		SEC: 1			
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		SAMPLES START AT		460 ft			
Late/Gravel level		24		573					
Dirt/Lake bottom		90							
PRT LAMBTON		Kettle Point		297					
HAMILTON		Maccles		435					
DETROIT		Dundee		450					
RIVER		Lucas		584					
		Amersburg		710					
		Bois Blanc		815					
		G unit shale		946					
		F unit shale		972					
		E unit shale							
		D unit soil							
		C unit shale							
		B unit soil							
		A2 unit soil							
		A1 unit soil							
		Guelph							
		Eramosa							
		Good Island							
		Gaspere							
		Rochester							
		Ironton							
		Reynolds							
		Thorold							
		Grimsby							
		Cobol Head							
		Mantoulin							
		Whitpool							
		Queenson							
		Medford-Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocook							
		Gull River							
		Shadow Lake							
		CAMBRIAN							
		PRECAMBRIAN							
Total Depth Samples 1000 ft		REMARKS		MOC: 7					
SPRINGVALE AT BASE OF BOIS BLANC		OIL		NIL		GAS		1764 MCF/D	
		PRESSURE		347 PSIG		PRODUCING INTVL.		712'-727'	
D.S.T(S) ON FILE		TREATMENT:		PERFORATED YES OPEN HOLE		FORMATIONS(S)		BOIS BLANC	

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 160		CONCESSION: 1		YEAR: 1977	
CLASS: NEW		FIELD/POOL: SILVER CR. (LA ERIE)		STATUS: GAS PRODUCER					
COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 160		CONC: 1		4424	
WELL NAME: CONSUMERS 13400		LAKE ERIE 160-1		TOTAL DEPTH: 1960'		RBD: 1478'		573'+25'	
OPERATOR: CONSUMERS GAS CO.		UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV.			
DRILLING BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-23-24 N		LONGITUDE: 81-06-25 W		SEC: 1	
GEOLOGICAL CONTACTS 490 ft		TOP		ELEV		THICK			
Samples start at		Late/Gravel level		25		573			
Dirt/Lake bottom		96							
PRT LAMBTON		Kettle Point		261					
HAMILTON		Maccles		350					
DETROIT		Dundee		356					
RIVER		Lucas		742					
		Amersburg		798					
		Bois Blanc		818					
		G unit shale		963					
		F unit shale		983					
		D unit shale		1066					
		E unit soil		1185					
		C unit shale		1220					
		B unit soil		1264					
		A2 unit soil		1282					
		A1 unit soil		1322					
		A1 unit evap		1329					
		Guelph		1348					
		Eramosa							
		Good Island							
		Gaspere							
		Rochester		1756					
		Ironton		1792					
		Reynolds		1805					
		Thorold		1814					
		Grimsby		1828					
		Cobol Head		1916					
		Mantoulin		1926					
		Whitpool		1930					
		Queenson		1934					
		Medford-Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocook							
		Gull River							
		Shadow Lake							
		CAMBRIAN							
		PRECAMBRIAN							
Total Depth Samples 1960 ft		REMARKS		MOC: 7					
SPRINGVALE AT BASE OF BOIS BLANC		OIL		NIL		GAS		918 MCF/D	
		PRESSURE		695 PSIG		PRODUCING INTVL.		13433-1356'	
		PERFORATED DYES		AI CARBONATE					
		FORMATIONS							

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 160		CONCESSION: L		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: SILVER CR., (L.ERIE)		STATUS: GAS PRODUCER					
COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 160		CONC: L		PERMIT NO.: 4503	
WELL NAME: CONSUMERS 1359 LAKE ERIE 160-L		OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1983'		RPTD. 1500'		ELEV. 573'+25'	
DRILLING CO.: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-22-46 N		LONGITUDE: 41-06-05 W		SEQ: 1	
GEOLOGICAL CONTACTS: 473 ft		TOP		ELEV		THICK			
Samples start at		473 ft		25		573			
Lake/Gravel level				96					
Drill/Lake bottom				96					
PRT LAMBTON				252					
Kettle Point				410					
HAMILTON				576					
Marcellus				586					
Dundee				743					
DETROIT				604					
RIVER				842					
Lucas				842					
Amherstburg				962					
Bois Blanc				982					
G unit 8706				982					
F unit 8706				1062					
E unit 8706				1184					
D unit 8706				1239					
C unit 8706				1282					
B unit 8706				1300					
A-2 unit 8706				1340					
A-1 unit 8706				1347					
Guelph				1368					
Eramosa									
Geot Island									
Gaspot									
Rochester				1769					
Iondago				1806					
Raynolds				1817					
Thurston				1826					
Glenora				1840					
Cobden Head				1930					
Merrillton				1941					
Whitpool				1946					
Queensland									
Medford-Dundas									
Callingtonwood									
Goberg									
Verulam									
Kirkfield									
Goberg									
Black									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1980 ft									
REMARKS				MQC: 7					
LOGGING CO.: SCHLUMBERGER		LOGGING TYPE: LOGGED		LOGGED INTERVAL: 83'-1983'		LOGGED INTERVAL: 83'-1983'		TYPE: CALP	
CORDED INTERVAL		CORDED INTERVAL		CORDED INTERVAL: 463'-1983'		CORDED INTERVAL: 464'-1970'		TYPE: DENL	
NIL		NIL		CORING RECORD		CORING RECORD		TYPE: SOIL	
CONDITION		CONDITION		CORING RECORD		CORING RECORD		TYPE: DIPA	
CORDED INTERVAL		CORDED INTERVAL		CORING RECORD		CORING RECORD		TYPE: DIPA	
NIL		NIL		CORING RECORD		CORING RECORD		TYPE: DIPA	
OIL		OIL		CORING RECORD		CORING RECORD		TYPE: DIPA	
GAS		GAS		CORING RECORD		CORING RECORD		TYPE: DIPA	
PRESSURE		PRESSURE		CORING RECORD		CORING RECORD		TYPE: DIPA	
PRODUCING INTVL. 1359'-1377'		PRODUCING INTVL. 1359'-1377'		CORING RECORD		CORING RECORD		TYPE: DIPA	
PERFORATED YES OPEN HOLE		PERFORATED YES OPEN HOLE		CORING RECORD		CORING RECORD		TYPE: DIPA	
FORMATIONS) AI CARBONATE		FORMATIONS) AI CARBONATE		CORING RECORD		CORING RECORD		TYPE: DIPA	
D.S.T.(S) ON FILE		D.S.T.(S) ON FILE		CORING RECORD		CORING RECORD		TYPE: DIPA	
TREATMENT:		TREATMENT:		CORING RECORD		CORING RECORD		TYPE: DIPA	

COUNTY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 183	CONCESSION: H	YEAR: 1977		
CLASS: NFW	FIELD/POOL: SILVER CR. (L. ERIE)	STATUS: GAS PRODUCER				
COUNTRY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 183	CONC: H	4419		
WELL NAME: CONSUMERS 13395 LAKE ERIE 183-H	PERMIT No.: 2055*	PBTD: 573*+22'				
OPERATOR: CONSUMERS GAS CO.	RIG TYPE: ORJ	ELEV. 573*+22'				
DILLING CO.: UNDERWATER GAS DEV	CO-ORDINATES:					
GEOLOGY BY: PETROLEUM RESOURCE						
GEOLOGICAL CONTACTS:	TOP	ELEV	THICK	SEC: 1		
Samples start at	270 ft	22	573			
Lake/Gravel level						
Drill/Lake bottom						
PRT LAMBTON	Kettle Point	270				
HAMILTON	Marcellus	532				
DUNDAS	Dundas	690				
DETROIT	Lucas	700				
AMHERSTBURG	Bois Blanc	816				
DETROIT	Bois Blanc	907				
DETROIT	Bois Blanc	956				
DETROIT	Bois Blanc	1089				
DETROIT	Bois Blanc	1114				
DETROIT	Bois Blanc	1192				
DETROIT	Bois Blanc	1316				
DETROIT	Bois Blanc	1352				
DETROIT	Bois Blanc	1396				
DETROIT	Bois Blanc	1415				
DETROIT	Bois Blanc	1456				
DETROIT	Bois Blanc	1463				
DETROIT	Bois Blanc	1478				
DETROIT	Bois Blanc	1515*				
DETROIT	Bois Blanc	1551*				
DETROIT	Bois Blanc	1587*				
DETROIT	Bois Blanc	1623*				
DETROIT	Bois Blanc	1659*				
DETROIT	Bois Blanc	1695*				
DETROIT	Bois Blanc	1731*				
DETROIT	Bois Blanc	1767*				
DETROIT	Bois Blanc	1803*				
DETROIT	Bois Blanc	1839*				
DETROIT	Bois Blanc	1875*				
DETROIT	Bois Blanc	1911*				
DETROIT	Bois Blanc	1947*				
DETROIT	Bois Blanc	1983*				
DETROIT	Bois Blanc	2019*				
DETROIT	Bois Blanc	2055*				
DETROIT	Bois Blanc	2091*				
DETROIT	Bois Blanc	2127*				
DETROIT	Bois Blanc	2163*				
DETROIT	Bois Blanc	2199*				
DETROIT	Bois Blanc	2235*				
DETROIT	Bois Blanc	2271*				
DETROIT	Bois Blanc	2307*				
DETROIT	Bois Blanc	2343*				
DETROIT	Bois Blanc	2379*				
DETROIT	Bois Blanc	2415*				
DETROIT	Bois Blanc	2451*				
DETROIT	Bois Blanc	2487*				
DETROIT	Bois Blanc	2523*				
DETROIT	Bois Blanc	2559*				
DETROIT	Bois Blanc	2595*				
DETROIT	Bois Blanc	2631*				
DETROIT	Bois Blanc	2667*				
DETROIT	Bois Blanc	2703*				
DETROIT	Bois Blanc	2739*				
DETROIT	Bois Blanc	2775*				
DETROIT	Bois Blanc	2811*				
DETROIT	Bois Blanc	2847*				
DETROIT	Bois Blanc	2883*				
DETROIT	Bois Blanc	2919*				
DETROIT	Bois Blanc	2955*				
DETROIT	Bois Blanc	2991*				
DETROIT	Bois Blanc	3027*				
DETROIT	Bois Blanc	3063*				
DETROIT	Bois Blanc	3099*				
DETROIT	Bois Blanc	3135*				
DETROIT	Bois Blanc	3171*				
DETROIT	Bois Blanc	3207*				
DETROIT	Bois Blanc	3243*				
DETROIT	Bois Blanc	3279*				
DETROIT	Bois Blanc	3315*				
DETROIT	Bois Blanc	3351*				
DETROIT	Bois Blanc	3387*				
DETROIT	Bois Blanc	3423*				
DETROIT	Bois Blanc	3459*				
DETROIT	Bois Blanc	3495*				
DETROIT	Bois Blanc	3531*				
DETROIT	Bois Blanc	3567*				
DETROIT	Bois Blanc	3603*				
DETROIT	Bois Blanc	3639*				
DETROIT	Bois Blanc	3675*				
DETROIT	Bois Blanc	3711*				
DETROIT	Bois Blanc	3747*				
DETROIT	Bois Blanc	3783*				
DETROIT	Bois Blanc	3819*				
DETROIT	Bois Blanc	3855*				
DETROIT	Bois Blanc	3891*				
DETROIT	Bois Blanc	3927*				
DETROIT	Bois Blanc	3963*				
DETROIT	Bois Blanc	3999*				
DETROIT	Bois Blanc	4035*				
DETROIT	Bois Blanc	4071*				
DETROIT	Bois Blanc	4107*				
DETROIT	Bois Blanc	4143*				
DETROIT	Bois Blanc	4179*				
DETROIT	Bois Blanc	4215*				
DETROIT	Bois Blanc	4251*				
DETROIT	Bois Blanc	4287*				
DETROIT	Bois Blanc	4323*				
DETROIT	Bois Blanc	4359*				
DETROIT	Bois Blanc	4395*				
DETROIT	Bois Blanc	4431*				
DETROIT	Bois Blanc	4467*				
DETROIT	Bois Blanc	4503*				
DETROIT	Bois Blanc	4539*				
DETROIT	Bois Blanc	4575*				
DETROIT	Bois Blanc	4611*				
DETROIT	Bois Blanc	4647*				
DETROIT	Bois Blanc	4683*				
DETROIT	Bois Blanc	4719*				
DETROIT	Bois Blanc	4755*				
DETROIT	Bois Blanc	4791*				
DETROIT	Bois Blanc	4827*				
DETROIT	Bois Blanc	4863*				
DETROIT	Bois Blanc	4899*				
DETROIT	Bois Blanc	4935*				
DETROIT	Bois Blanc	4971*				
DETROIT	Bois Blanc	5007*				
DETROIT	Bois Blanc	5043*				
DETROIT	Bois Blanc	5079*				
DETROIT	Bois Blanc	5115*				
DETROIT	Bois Blanc	5151*				
DETROIT	Bois Blanc	5187*				
DETROIT	Bois Blanc	5223*				
DETROIT	Bois Blanc	5259*				
DETROIT	Bois Blanc	5295*				
DETROIT	Bois Blanc	5331*				
DETROIT	Bois Blanc	5367*				
DETROIT	Bois Blanc	5403*				
DETROIT	Bois Blanc	5439*				
DETROIT	Bois Blanc	5475*				
DETROIT	Bois Blanc	5511*				
DETROIT	Bois Blanc	5547*				
DETROIT	Bois Blanc	5583*				
DETROIT	Bois Blanc	5619*				
DETROIT	Bois Blanc	5655*				
DETROIT	Bois Blanc	5691*				
DETROIT	Bois Blanc	5727*				
DETROIT	Bois Blanc	5763*				
DETROIT	Bois Blanc	5799*				
DETROIT	Bois Blanc	5835*				
DETROIT	Bois Blanc	5871*				
DETROIT	Bois Blanc	5907*				
DETROIT	Bois Blanc	5943*				
DETROIT	Bois Blanc	5979*				
DETROIT	Bois Blanc	6015*				
DETROIT	Bois Blanc	6051*				
DETROIT	Bois Blanc	6087*				
DETROIT	Bois Blanc	6123*				
DETROIT	Bois Blanc	6159*				
DETROIT	Bois Blanc	6195*				
DETROIT	Bois Blanc	6231*				
DETROIT	Bois Blanc	6267*				
DETROIT	Bois Blanc	6303*				
DETROIT	Bois Blanc	6339*				
DETROIT	Bois Blanc	6375*				
DETROIT	Bois Blanc	6411*				
DETROIT	Bois Blanc	6447*				
DETROIT	Bois Blanc	6483*				
DETROIT	Bois Blanc	6519*				
DETROIT	Bois Blanc	6555*				
DETROIT	Bois Blanc	6591*				
DETROIT	Bois Blanc	6627*				
DETROIT	Bois Blanc	6663*				
DETROIT	Bois Blanc	6699*				
DETROIT	Bois Blanc	6735*				
DETROIT	Bois Blanc	6771*				
DETROIT	Bois Blanc	6807*				
DETROIT	Bois Blanc	6843*				
DETROIT	Bois Blanc	6879*				
DETROIT	Bois Blanc	6915*				
DETROIT	Bois Blanc	6951*				
DETROIT	Bois Blanc	6987*				
DETROIT	Bois Blanc	7023*				
DETROIT	Bois Blanc	7059*				
DETROIT	Bois Blanc	7095*				
DETROIT	Bois Blanc	7131*				
DETROIT	Bois Blanc	7167*				
DETROIT	Bois Blanc	7203*				
DETROIT	Bois Blanc	7239*				
DETROIT	Bois Blanc	7275*				
DETROIT	Bois Blanc	7311*				
DETROIT	Bois Blanc	7347*				
DETROIT	Bois Blanc	7383*				
DETROIT	Bois Blanc	7419*				
DETROIT	Bois Blanc	7455*				
DETROIT	Bois Blanc	7491*				
DETROIT	Bois Blanc	7527*				
DETROIT	Bois Blanc	7563*				
DETROIT	Bois Blanc	7599*				
DETROIT	Bois Blanc	7635*				
DETROIT	Bois Blanc	7671*				
DETROIT	Bois Blanc	7707*				
DETROIT	Bois Blanc	7743*				
DETROIT	Bois Blanc	7779*				
DETROIT	Bois Blanc	7815*				
DETROIT	Bois Blanc	7851*				
DETROIT	Bois Blanc	7887*				
DETROIT	Bois Blanc	7923*				
DETROIT	Bois Blanc	7959*				
DETROIT	Bois Blanc	7995*				
DETROIT	Bois Blanc	8031*				
DETROIT	Bois Blanc	8067*				
DETROIT	Bois Blanc	8103*				
DETROIT	Bois Blanc	8139*				
DETROIT	Bois Blanc	8175*				
DETROIT	Bois Blanc	8211*				
DETROIT	Bois Blanc	8247*				
DETROIT	Bois Blanc	8283*				
DETROIT	Bois Blanc	8319*				
DETROIT	Bois Blanc	8355*				
DETROIT	Bois Blanc	8391*				
DETROIT	Bois Blanc	8427*				
DETROIT	Bois Blanc	8463*				
DETROIT	Bois Blanc	8499*				
DETROIT	Bois Blanc	8535*				
DETROIT	Bois Blanc	8571*				
DETROIT	Bois Blanc	8607*				
DETROIT	Bois Blanc	8643*				
DETROIT	Bois Blanc	8679*				
DETROIT	Bois Blanc	8715*				
DETROIT	Bois Blanc	8751*				
DETROIT	Bois Blanc	8787*				
DETROIT	Bois Blanc	8823*				
DETROIT	Bois Blanc	8859*				
DETROIT	Bois Blanc	8895*				
DETROIT	Bois Blanc	8931*				
DETROIT	Bois Blanc	8967*				
DETROIT	Bois Blanc	9003*				
DETROIT	Bois Blanc	9039*				
DETROIT	Bois Blanc	9075*				
DETROIT	Bois Blanc	9111*				
DETROIT	Bois Blanc	9147*				
DETROIT	Bois Blanc	9183*				
DETROIT	Bois Blanc	9219*				
DETROIT	Bois Blanc	9255*				
DETROIT	Bois Blanc	9291*				
DETROIT	Bois Blanc	9327*				
DETROIT	Bois Blanc	9363*				
DETROIT	Bois Blanc	9399*				
DETROIT	Bois Blanc	9435*				
DETROIT	Bois Blanc	9471*				
DETROIT	Bois Blanc	9507*				
DETROIT	Bois Blanc	9543*				
DETROIT	Bois Blanc	9579*				
DETROIT	Bois Blanc	9615*				
DETROIT	Bois Blanc	9651*				
DETROIT	Bois Blanc	9687*				
DETROIT	Bois Blanc	9723*				
DETROIT	Bois Blanc	9759*				
DETROIT	Bois Blanc	9795*				
DETROIT	Bois Blanc	9831*				
DETROIT	Bois Blanc	9867*				
DETROIT	Bois Blanc	9903*				
DETROIT	Bois Blanc	9939*				
DETROIT	Bois Blanc	9975*				
DETROIT	Bois Blanc	10011*				
DETROIT	Bois Blanc	10047*				
DETROIT	Bois Blanc	10083*				
DETROIT	Bois Blanc	10119*				
DETROIT	Bois Blanc	10155*				
DETROIT	Bois Blanc	10191*				
DETROIT	Bois Blanc	10227*				
DETROIT	Bois Blanc	10263*				
DETROIT	Bois Blanc	10299*				
DETROIT	Bois Blanc	10335*				
DETROIT	Bois Blanc	10371*				
DETROIT	Bois Blanc	10407*				
DETROIT	Bois Blanc	10443*				
DETROIT	Bois Blanc	10479*				
DETROIT	Bois Blanc	10515*				
DETROIT	Bois Blanc	10551*				
DETROIT	Bois Blanc	10587*				
DETROIT	Bois Blanc	10623*				
DETROIT	Bois Blanc	10659*				
DETROIT	Bois Blanc	10695*				
DETROIT	Bois Blanc	10731*				
DETROIT	Bois Blanc	10767*				
DETROIT	Bois Blanc	10803*				
DETROIT	Bois Blanc	10839*				
DETROIT	Bois Blanc	10875*				
DETROIT	Bois Blanc	10911*				
DETROIT	Bois Blanc	10947*				
DETROIT	Bois Blanc	10983*				
DETROIT	Bois Blanc	11019*				
DETROIT	Bois Blanc	11055*				
DETROIT	Bois Blanc	11091*				
DETROIT	Bois Blanc	11127*				
DETROIT	Bois Blanc	11163*				
DETROIT	Bois Blanc	11199*				
DETROIT	Bois Blanc	11235*				
DETROIT	Bois Blanc	11271*				
DETROIT	Bois Blanc	11307*				
DETROIT	Bois Blanc	11343*				
DETROIT	Bois Blanc	11379*				
DETROIT	Bois Blanc	11415*				
DETROIT	Bois Blanc	11451*				
DETROIT	Bois Blanc	11487*				
DETROIT	Bois Blanc	11523*				
DETROIT	Bois Blanc	11559*				
DETROIT	Bois Blanc	11595*				
DETROIT	Bois Blanc	11631*				
DETROIT	Bois Blanc	11667*				
DETROIT						

COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 183

CONVECTION: S

YEAR: 1977

CLASS: DEVEN

FIELD/POOL: SILVER CR. (L. ERIE)

STATUS: GAS PRODUCER

COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 183

CONC: S

WELL NAME: CONSUMERS 13396

OPERATOR: CONSUMERS GAS CO.

PERMIT NO.: 4420

DRILLING CO.: UNDERGRATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH: 2026'

RIG TYPE: ORU

ELEV. 573+/-22'

GEOLOGICAL CONTACTS:

LONGITUDE: 42-16-36 N

LATITUDE: 81-01-20 W

Samples sent at: 295 ft

CONFIDENTIAL:

JULY 8, 1977

Lake/Ground level

SPUNDED:

JUNE 3, 1977

Drill/Pool bottom

COMPLETED:

JUNE 8, 1977

Per LAMBERT

ABANDONED:

Kettle Point

SPL. TRAV. No.: 2959

INDEX No. 970

Hamilton

INTERVAL

INITIAL GAS RECORD

Morcellus

1882'-2026'

NATURAL FLOW

Dundas

315 MCF/D

S.I. PRESSURE

Detroit

810

857 PSIG

River

Amherstburg

Bos Blanc

Boss Islands

G unit shale

1109

F unit shale

1133

E unit carb

1216

D unit shale

1366

C unit shale

1334

B unit shale

1410

A2 unit shale

1430

A1 unit carb

1470

A1 unit trap

1478

Guelph

1493

Eramosa

Goat Island

Gasport

AAMBEL

1835

Rochester

Iondaquoit

Reynolds

1878

Thorold

1891

Grimsby

1898

Cobol Head

1930

Mantoulin

2010

Whitpool

2020

Queaneton

2024

Medora Dundas

Gillingwood

Cobourg

Verulam

Kirkfield

BLACK

GUL RIVER

Shadow Lake

CAMBRIAN

PRECAMBRIAN

Total Depth: Samples 2020 ft

REMARKS

SPRINGVALE AT BASE OF BOIS BLANC

GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

DIST(S) ON FILE

TREATMENT:

CORING RECORD

LOGGING CO.: SCHLUMBERGER

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

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COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 183

CONVECTION: S

YEAR: 1977

CLASS: DEVEN

FIELD/POOL: SILVER CR. (L. ERIE)

STATUS: GAS PRODUCER

COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 183

CONC: S

WELL NAME: CONSUMERS 13396

OPERATOR: CONSUMERS GAS CO.

PERMIT NO.: 4420

DRILLING CO.: UNDERGRATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH: 2026'

RIG TYPE: ORU

ELEV. 573+/-22'

GEOLOGICAL CONTACTS:

LONGITUDE: 42-16-36 N

LATITUDE: 81-01-20 W

Samples sent at: 295 ft

CONFIDENTIAL:

JULY 8, 1977

Lake/Ground level

SPUNDED:

JUNE 3, 1977

Drill/Pool bottom

COMPLETED:

JUNE 8, 1977

Per LAMBERT

ABANDONED:

Kettle Point

SPL. TRAV. No.: 2959

INDEX No. 970

Hamilton

INTERVAL

INITIAL GAS RECORD

Morcellus

1882'-2026'

NATURAL FLOW

Dundas

315 MCF/D

S.I. PRESSURE

Detroit

810

857 PSIG

River

Amherstburg

Bos Blanc

Boss Islands

G unit shale

1109

F unit shale

1133

E unit carb

1216

D unit shale

1366

C unit shale

1334

B unit shale

1410

A2 unit shale

1430

A1 unit carb

1470

A1 unit trap

1478

Guelph

1493

Eramosa

Goat Island

Gasport

AAMBEL

1835

Rochester

Iondago

1878

Reynolds

1891

Thorold

1898

Grimsby

1930

Cobol Head

2010

Mantoulin

2020

Whitpool

2024

Queaneton

Medford Dundas

Gillingwood

Coburg

Verulam

Kirkfield

BLACK

GUL RIVER

Shadow Lake

CAMBRIAN

PRECAMBRIAN

Total Depth: Samples 2020 ft

REMARKS

MOQ: 7

SPRINGVALE AT BASE OF BOIS BLANC GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

CASING AND TUBING RECORD

SIZE WEIGHT SET AT HOW SET REC.

10.75H 51.0H 94' HANGING 94'

9.63H 36.0H 295' CEMENTED 94'

7.00H 20.0H 923' CEMENTED 94'

4.50H 11.6H 1823' CEMENTED 94'

2.38H 4.7H 1873' HANGING 91'

LOGGING CO.: SCHLUMBERGER

LOGGED CO. TYPE LOGGED INTERVAL

95'-2025' GRUL 95'-2025' CALP

923'-2025' DENL 948'-2012' LATL

1667'-1983' CMLP

CORING RECORD

CONDITION STORED

CORED INTERVAL REC. ANAL CORED INTERVAL REC. ANAL

NIL

FINAL RESULTS

OIL NIL

GAS 315 MCF/D

PRESSURE 857 PSIG

PRODUCING INTVL. 1898'-1912'

PERFORATEDYES OPEN HOLE FORMATIONSIS 671M5BY

TREATMENT:

DIST(S) ON FILE

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 183		CONCESSION: X		YEAR: 1977	
CLASS: NEW		FIELD/POOL:		TOWNSHIP: LAKE ERIE		STATUS/OIL SHOW		-ARD	
COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 183		CONC: X		4418	
WELL NAME: CONSUMERS GAS CO		OPERATOR: UNDERWATER GAS DEV		TOTAL DEPTH: 2101'		PERD: 573'±22'			
DRILLING CO: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-13-23 N		ELEV: 573'±22'			
GEOLOGICAL CONTACTS: 283 ft		TOP		ELEV		THICK:			
Samples start at		283 ft		TOP		ELEV		THICK:	
Lake/ground level		22		573					
Dirt/Lake bottom		93							
PRT LAMBTON		Kennie Point		282					
HAMILTON		Marechal		533					
DETROIT		Dundee		696					
RIVER		Lucas		818					
		Amersburg		925					
		Bois Blanc		917					
		Bois Blanc		917					
		G unit shale		1136					
		F unit shale		1163					
		E unit shale		1238					
		D unit shale		1364					
		C unit shale		1396					
		B unit shale		1438					
		A-2 unit shale		1500					
		A-1 unit shale		1503					
		Guelph		1523					
		Eramosa							
		Goat Island							
		Gasport		1886					
		Rochester							
		Hondquilt		1924					
		Renfrews		1936					
		Thorold		1946					
		Grimsey		1978					
		Cobol Head		2061					
		Monticoulin		2072					
		Whitpool		2075					
		Question							
		Medford Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocank							
		Gull River							
		Shadow Lake							
		CAMBRIAN							
		PRECAMBRIAN							
		Total Depth Samples 2100 ft		MOC: 7					
		REMARKS							
		SPRINGVALE AT BASE OF BOIS BLANC							
		D.S.T (S) ON FILE		TREATMENT:		OIL NIL		FINAL RESULTS	
						GAS NIL			
						PRESSURE PRODUCING INTVL.			
						PERFORATEDYES OPEN HOLE			
						FORMATIONS)			

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 184		CONCESSION: I		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: SILVER CR.-L. ERIE		TOWNSHIP: LAKE ERIE		STATUS/GAS PRODUCER			
WELL NAME: CONSUMERS GAS CO.		OPERATOR: UNDERWATER GAS DEV		TOTAL DEPTH: 1965'		PERD: 1918'		573'±24'	
DRILLING CO: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-18-08 N		ELEV: 573'±24'			
GEOLOGICAL CONTACTS: 466 ft		TOP		ELEV		THICK			
Samples start at		466 ft		TOP		ELEV		THICK	
Lake/Ground level		24		573					
Dirt/Lake bottom		96							
PRT LAMBTON		Kenzie Point		282					
HAMILTON		Marechal		458					
DETROIT		Dundee		628					
RIVER		Lucas		746					
		Amersburg		850					
		Bois Blanc		879					
		G unit shale		1037					
		F unit shale		1063					
		E unit shale		1140					
		D unit shale		1264					
		C unit shale		1290					
		B unit shale		1332					
		A-2 unit shale		1350					
		A-1 unit shale		1396					
		Guelph		1410					
		Eramosa							
		Goat Island							
		Gasport		1734					
		Rochester							
		Hondquilt		1774					
		Renfrews		1787					
		Thorold		1794					
		Grimsey		1826					
		Cobol Head		1908					
		Monticoulin		1923					
		Whitpool		1928					
		Question							
		Medford Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocank							
		Gull River							
		Shadow Lake							
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1965 ft		REMARKS		MOC: 7					
POOR SAMPLE QUALITY									

CLASS: DEVEL	FIELD/POOL: SILVER CR.(L-ERIE)	STATUS:LOST HOLE	-ARD
COUNTY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 186 CONC: C	
WELL NAME: CONSUMERS 13499 LAKE ERIE 186-C	PERMIT NO: 4480	TOTAL DEPTH: 400' RPTD	
OPERATOR: CONSUMERS GAS CO.	RIG TYPE: ORU	ELEV: 573+25'	
DILLING CO.: UNDERPARTER GAS DEV	CO-ORDINATES:		
GEOLOGY BY: PETROLEUM RESOURCE			
GEOLOGICAL CONTACTS:	TOP	ELEV	THICK
Samples near or Date/Unit level	25	573	
Duff/Lake bottom	96		
PRI LAMBERTON			
Kennie Point	276		
Mercedius			
Dundas			
Lucas			
Amherstburg			
Bois Blanc			
Bois Blanc			
G unit 3802			
F unit 3806			
E unit 3808			
D unit 3810			
C unit 3812			
B unit 3814			
A unit 3816			
A-1 unit 3818			
Guelp			
Eromoso			
Goat Island			
Gaspert			
Rocheater			
Ironduquoit			
Reynolds			
Theroid			
Grimsby			
Cobol Head			
Manitowlin			
Whitpool			
Queens			
Medford Dundas			
Collingwood			
Cobourg			
Vernum			
Kirkfield			
Cobocok			
Gull River			
Shadow Lake			
CAMBRIAN			
PRECAMBRIAN			
Total Depth Samples	11	MOC: 2	
NO SAMPLES			
REMARKS			
FINAL RESULTS			
OIL NIL			
GAS NIL			
PRESSURE NIL			
PRODUCING INTVL.			
PERFORATED			
FORMATIONS			
TREATMENT:			
OPEN HOLE			

CLASS: DEVEL	FIELD/POOL: SILVER CR.(L-ERIE)	STATUS:GAS SHOW	-ARD
COUNTY: ELGIN	TOWNSHIP: LAKE ERIE	LOT: 186 CONC: C	
WELL NAME: CONSUMERS 13499 LAKE ERIE 186-C	PERMIT NO: 4561	TOTAL DEPTH: 2014' RPTD	
OPERATOR: CONSUMERS GAS CO.	RIG TYPE: ORU	ELEV: 573+25'	
DILLING CO.: UNDERPARTER GAS DEV	CO-ORDINATES:		
GEOLOGY BY: PETROLEUM RESOURCE			
GEOLOGICAL CONTACTS:	TOP	ELEV	THICK
Samples near or Date/Unit level	25	573	
Duff/Lake bottom	96		
PRI LAMBERTON			
Kennie Point	280		
Mercedius	527		
Dundas	658		
Lucas	796		
Amherstburg	894		
Bois Blanc	966		
G unit 3802	1086		
F unit 3806	1112		
E unit 3808	1188		
D unit 3810	1312		
C unit 3812	1340		
B unit 3814	1363		
A unit 3816	1403		
A-1 unit 3818	1444		
Guelp	1448		
Eromoso	1462		
Goat Island			
Gaspert	1776		
Rocheater			
Ironduquoit	1818		
Reynolds	1831		
Theroid	1837		
Grimsby	1887		
Cobol Head	1954		
Manitowlin	1973		
Whitpool	1976		
Queens			
Medford Dundas			
Collingwood			
Cobourg			
Vernum			
Kirkfield			
Cobocok			
Gull River			
Shadow Lake			
CAMBRIAN			
PRECAMBRIAN			
Total Depth Samples 2010	11	MOC: 7	
REMARKS			
FINAL RESULTS			
OIL NIL			
GAS NIL			
PRESSURE NIL			
PRODUCING INTVL.			
PERFORATED			
FORMATIONS			
TREATMENT:			
OPEN HOLE			

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 186		CONCESSION: D		YEAR: 1977	
CLASS: DEVEN		FIELD/POOL: SILVER CR.-(L.ERIE)		STATUS: GAS PRODUCER					
COUNTRY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 186 CONC: D		4481			
WELL NAME: CONSUMERS 13410 LAKE ERIE 186-D		OPERATOR: CONSUMERS GAS CO.		PERMIT NO.: 2020		PATD. 1966			
DRILLING CO.: UNDERMATER GAS DEV		RIG TYPE: ORJ		TOTAL DEPTH: 2020'		ELEV. 573+24'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-19-38 N		LATITUDE: 80-48-43 W		SEQ: 1			
GEOLOGICAL CONTACTS:		TOP		ELEV.		THICK.			
Samples start at		427 ft		24		573			
Lake/Ground level		Drift/Lake bottom		96					
PRT LAMBTON		Kettle Point		274					
HAMILTON		Morcellus		522					
DETROIT		Dundee		694					
RIVER		Lucas		808					
		Amherstburg		906					
		Bois Islands		946					
		G unit shale		1072					
		F unit shale		1098					
		E unit carb		1176					
		D unit shale		1298					
		C unit shale		1330					
		B unit shale		1372					
		A2 unit carb		1390					
		A1 unit carb		1428					
		A1 unit evap		1434					
		Guelph		1446					
		Eromosa							
		Goot Island							
		Gasport		1772					
		Rochester							
		Hondasquitt		1814					
		Reynolds		1829					
		Thorold		1837					
		Grimasy		1882					
		Cobol Head		1954					
		Monticulin		1966					
		Whitpool		1971					
		Queension							
		Medford Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocook							
		Gull River							
		Shadow Lake							
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 2020 ft		M.Q.C: 7							
REMARKS									
SPRINGVALE AT BASE OF BOIS BLANC									
GAS ANALYSIS ON FILE									
D.S.T.(S) ON FILE									
TREATMENT:									
FORMATIONS(S)									
								</	

COUNTY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 186		CONCESSION: F		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: SILVER CR. (L.ERIE)		STATUS: GAS PRODUCER					
COUNTRY: ELGIN		TOWNSHIP: LAKE ERIE		LOT: 186 CONC: F		4483			
WELL NAME: CONSUMERS 13412 LAKE ERIE 186-F		OPERATOR: CONSUMERS GAS CO.		PERMIT NO.: 2050		PATD. 1998			
DRILLING CO.: UNDERMATER GAS DEV		RIG TYPE: ORJ		TOTAL DEPTH: 2050'		ELEV. 573+26'			
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-18-08 N		LONGITUDE: 80-49-12 W		SEQ: 1	
GEOLOGICAL CONTACTS:		TOP		ELEV.		THICK.			
Samples start at		510 ft		26		573			
Lake/Ground level		Drift/Lake bottom		96					
PRT LAMBTON		Kettle Point		284					
HAMILTON		Morcellus		576					
DETROIT		Dundee		743					
RIVER		Lucas		860					
		Amherstburg		840					
		Bois Blanc		978					
		Boss islands		1121					
		G unit shale		1147					
		F unit shale		1225					
		E unit carb		1350					
		D unit shale		1376					
		C unit shale		1418					
		B unit shale		1438					
		A2 unit carb		1478					
		A1 unit carb		1484					
		Guelph		1496					
		Eromosa							
		Goot Island							
		Gasport		1812					
		Rochester							
		Hondaguait		1854					
		Reynolds		1872					
		Thorold		1878					
		Grimby		1922					
		Cobol Head		2000					
		Monticoulin		2009					
		Whitpool		2014					
		Queaneton							
		Medford Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobacook							
		Gull River							
		Shadow Lake							
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 2050 ft		MOC: 7							
REMARKS									
GAS ANALYSIS ON FILE									
DST(S) ON FILE									
TREATMENT:									
PERFORATIONS									
THOROLD									

COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 186

CONCESSION: F

YEAR: 1977

CLASS: DEVEL

FIELD/POOL: SILVER CR. (L.SERIE)

STATUS: GAS PRODUCER

COUNTY: ELGIN

TOWNSHIP: LAKE ERIE

LOT: 186-F

PERMIT NO.: F 4482

WELL NAME: CONSUMERS 13911

OPERATOR: CONSUMERS GAS CO.

DRILLING CO.: UNDERMATH GAS DEV

GEOLOGICAL BY: PETROLEUM RESOURCE

CO-ORDINATES:

42-18-54 N

LONGITUDE: 80-49-35 W

S.E. 1

TOP

ELEV.

THICK

Samples meter

434 ft

25

573

Late/Ground level

96

Dry/Lake bottom

PRE LAMBERT

Kettle Point

274

HAMILTON

Morcellus

723

DETROIT

Lucas

834

RIVER

Amherburg

922

Boas Blaine

958

Boas Islands

1100

G unit shale

1126

F unit shale

1202

D unit sand

1350

C unit shale

1392

B unit sand

1412

A2 unit sand

1451

A-1 unit sand

1468

Guelph

Eramosa

Georgetown

Gasper

Rochester

Ironstone

Rensselaers

1886

Throckmold

1882

Glenview

1880

Cedar Head

1904

Monticelli

1980

Whitpool

1990

Queensland

Meadow Dundas

Cullinwood

Gaborug

Verulam

Kirkfield

Gaborug

Gull River

Shadow Lake

CAMBRIAN

PRECAMBRIAN

Total Depth Samples 2030 ft

REMARKS

MOC: 7

GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

D.S.T. (S) ON FILE

TREATMENT:

GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

D.S.T. (S) ON FILE

TREATMENT:

GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

D.S.T. (S) ON FILE

TREATMENT:

GAS ANALYSIS ON FILE

WATER ANALYSIS ON FILE

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COUNTY: ESSEX		TOWNSHIP: ANDERDON		LOT: 35	CONCESSION: 1	YEAR: 1977	CLASS: BRINE	FIELD/POOL:	STATUS: BRINE WELL
WELL NAME: ALLIED CHEM G-5 ANDERDON 35-1		TOWNSHIP: ANDERDON		LOT: 35	CONC: 1	4435	TOTAL DEPTH: 1223		PERMIT NO.: 4435
OPERATOR: ALLIED CHEM, CAN.		RIG TYPE: CAB		ELEV. 577+ 4'		577+ 4'	CO-ORDINATES: 450°N, 113°W		ABANDONED: 1977
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	LONGITUDE: 42-10-26 N		SEC: 1
Samples start at		46 ft	577	CONFIDENTIAL: DECEMBER 23, 1978		SPUNDED: NOVEMBER 12, 1977	COMPLETED: DECEMBER 23, 1977		ABANDONED: 1977
Drill/Lake bottom		4	577	SPL. TRAY No.: 2483		INDEX No. 302	INITIAL GAS RECORD		S.I. PRESSURE
PRT LAMBTON		Kentia Point		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
HAMILTON		Dundee		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
DETROIT		Lucas	41	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
RIVER		Amherburg	130	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Bois Blanc	336	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Bois Blanc	441	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		G unit	626	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		F unit	648	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		E unit	741	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		D unit	905	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		C unit	965	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		B unit	1013	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A2 unit	1103	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A1 unit	1122	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A-1 unit	1215	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A-1 unit	1221	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Ecmaup		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Gaspot		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Recheater		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Indequail		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Reynolds		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Theroid		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Grimsby		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cobol Head		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Menitoulin		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Whitipou		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Queenson		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Medford Dundas		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Collingwood		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cabourg		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Kirkfield		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cobocorn		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Gull River		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Shadow Lake		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cambrarian		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Precambrian		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Total Depth Samples	1220 ft	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		REMARKS	MOC: 7		FINAL RESULTS		OIL NIL		GAS NIL
		D UNIT EQUIV 890	PRESSURE		PRODUCING INTVL.		PERFORATED		OPEN HOLE YES
		SYLVANIA FACIES PRESENT	TREATMENT:		FORMATIONS		COBUPG		

COUNTY: ESSEX		TOWNSHIP: GOSFIELD SOUTH		LOT: 4	CONCESSION: FWD	YEAR: 1977	CLASS: OIL PRODUCER	FIELD/POOL: KINGSVILLE	STATUS: OIL PRODUCER
WELL NAME: GEL FOX NO. 17A GOSFIELD SOUTH 4-FWD		TOWNSHIP: GOSFIELD SOUTH		LOT: 4	CONC: FWD	4213	TOTAL DEPTH: 2459		PERMIT NO.: 4213
OPERATOR: GALSINKLER		RIG TYPE: CAB		ELEV. 623+ 2'		623+ 2'	CO-ORDINATES: 292°N, 223°W		ABANDONED: 1977
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	LONGITUDE: 82-07-40 N		SEC: 2
Samples start at		107 ft	623	CONFIDENTIAL: MARCH 23, 1977		SPUNDED: SEPTEMBER 23, 1976	COMPLETED: FEBRUARY 23, 1977		ABANDONED: 1977
Drill/Lake bottom		2	623	SPL. TRAY No.: 3852		INDEX No. 293	INITIAL GAS RECORD		S.I. PRESSURE
PRT LAMBTON		Kentia Point		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
HAMILTON		Dundee		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
DETROIT		Lucas	107	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
RIVER		Amherburg	162	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Bois Blanc	322	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Bois Blanc	379	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		G unit	520	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		F unit	555	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		E unit	653	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		D unit	773	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		C unit	851	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		B unit	903	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A2 unit	823	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A1 unit	990	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A-1 unit	993	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		A-1 unit	1041	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Ecmaup		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Gaspot	1305	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Recheater	1442	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Indequail		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Reynolds		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Theroid		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Grimsby		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cobol Head	1464	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Menitoulin	1560	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Whitipou		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Queenson	1630	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Medford Dundas	1860	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Collingwood	2215	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cabourg	2344	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Verium	2302	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Kirkfield		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cobocorn		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Gull River		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Shadow Lake		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Cambrarian		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Precambrian		INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		Total Depth Samples	2458 ft	INTERVAL		NATURAL FLOW	INITIAL OIL RECORD		API GRAVITY
		REMARKS	MOC: 7		FINAL RESULTS		OIL 10 BOPD		GAS NIL
		D UNIT EQUIV 755 B UNIT EQUIV 870 DYER BAY	PRESSURE		PRODUCING INTVL.		PERFORATED		OPEN HOLE YES
		SYLVANIA FACIES PRESENT	TREATMENT:		FORMATIONS		COBUPG		

COUNTY: ESSEX		TOWNSHIP: GOSFIELD SOUTH LOT: 6		CONCESSION: FWD		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: KINGSVILLE		STATUS: OIL PRODUCER			
WELL NAME: GEL MCIVITTIE #2 GOSFIELD SOUTH 6-FWD		TOWNSHIP: GOSFIELD SOUTH LOT: 6		CONC: FWD		4407	
OPERATOR: GAINSWINKLER		TOTAL DEPTH: 2471'		PERMIT NO.: 881D			
DRILLING CO.: NEWPORT WELLINGTON		RIG TYPE: CAB		ELEV. 624' ±		2'	
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES: 292455		ELEV. 2'W			
GEOLOGICAL CONTRACTS:		LATITUDE: 42-02-40 N		LONGITUDE: 82-45-10 W		SEQ: 1	
Samples start at		100 ft		TOP		THICK.	
Late/Ground level		2		ELEV		624	
Drill/Lane bottom				SPUNDED:		SEPTEMBER 17, 1977	
PRT. LAMBERTON		Kettle Point		ABANDONED:		APRIL 21, 1977	
HAMILTON		Marcellus		SPL. TRAY NO.: 3695		INDEX NO. 301	
DETROIT RIVER		Lucas		INTERVAL		INITIAL GAS RECORD	
Bois Blanc		100		2400'		SHOW	
Bois Blanc		128		INTERVAL		NATURAL FLOW	
Bois Blanc		318		INITIAL OIL RECORD		API GRAVITY	
Bois Blanc		363		INTERVAL		2400'-2402'	
G unit shale		530		D unit carb.		2402'-2425'	
F unit shale		554		C unit shale		SHOW	
E unit carb.		660		B unit shale		857	
D unit carb.		775		A2 unit carb.		910	
C unit shale		857		A1 unit carb.		960	
B unit shale		910		Guelph		990	
A2 unit carb.		929		Eramosa		1051	
A1 unit carb.		950		Gaspot		1413	
Interval		165°		Recheater		1447	
STAT. LEV.		970°		Irondequoit			
FLOW		FRESH SULPHUR		Reynolds			
TYPE				Thorold			
				Grimsey			
				Cabot Head			
				Monticoulin			
				Whirlpool			
				Queenson			
				Medford-Dundas			
				Collingwood			
				Cobourg			
				Verulam			
				Kirkfield			
				Cobocook			
				Gull River			
				Shadow Lake			
				CAMSABIAN			
				PRECAMBRIAN			
				Total Depth Samples		2471 ft	
				REMARKS		MCC: 7	
				D UNIT EQUIV 757 B UNIT EQUIV 875			
				SILURIAN FACIES PRESENT			
				GOAT ISLAND EQUALS WARTON			
				D.S.T(S) ON FILE			
				TREATMENT: ACID			
				FORMATIONS(S)			

COUNTY: ESSEX		TOWNSHIP: MALDEN		LOT: 41		CONCESSION: IV		YEAR: 1977	
CLASS: NEW		FIELD/POOL: MALDEN		STATUS: OIL PRODUCER					
WELL NAME: P.H. & H. MALDEN 3-41-IV		TOWNSHIP: MALDEN LOT: 41		CONC: IV		4326			
OPERATOR: POUNDER & HARMON		TOTAL DEPTH: 2703'		PERMIT NO.: 881D		603' ±		4'	
DRILLING CO.: TREMBLAY DRILLING		RIG TYPE: CAB		ELEV. 603' ±					
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES: 3554512270E		LATITUDE: 42-05-52 N		LONGITUDE: 82-03-30 W		SEQ: 1	
GEOLOGICAL CONTRACTS:		100 ft		TOP		THICK.			
Late/Ground level		72 ft		ELEV		603			
Drill/Lane bottom				SPUNDED:		FEBRUARY 10, 1977			
PRT. LAMBERTON		Kettle Point		ABANDONED:		APRIL 1, 1977			
HAMILTON		Marcellus		SPL. TRAY NO.: 3865		INDEX NO. 295			
DETROIT RIVER		Lucas		INTERVAL		INITIAL GAS RECORD			
Bois Blanc		42		2343'		SHOW			
Bois Blanc		92		2417'-2420'		20-25 MCF/D			
Bois Blanc		231		INTERVAL		NATURAL FLOW			
Bois Blanc		356		INITIAL OIL RECORD		API GRAVITY			
G unit shale		524		D unit carb.		2417'			
F unit shale		547		C unit shale		2417'			
E unit carb.		651		B unit shale		881			
D unit carb.		792		A2 unit carb.		1061			
C unit shale		840		A1 unit carb.		1178			
B unit shale		881		Guelph		1218			
A2 unit carb.		1070		Eramosa		1420			
A1 unit carb.		1158		Gaspot		1545			
Interval		68°		Recheater		1557			
STAT. LEV.		111°		Irondequoit					
FLOW		50°		Reynolds					
TYPE		FRESH SULPHUR		Thorold					
				Grimsey					
				Cabot Head					
				Monticoulin					
				Whirlpool					
				Queenson					
				Medford-Dundas					
				Collingwood					
				Cobourg					
				Verulam					
				Kirkfield					
				Cobocook					
				Gull River					
				Shadow Lake					
				CAMSABIAN					
				PRECAMBRIAN					
				Total Depth Samples		2700 ft			
				REMARKS		MCC: 7			
				D UNIT EQUIV 772					
				SILURIAN FACIES PRESENT					
				D.S.T(S) ON FILE					
				TREATMENT: ACID					
				FORMATIONS(S)					

COUNTY: ESSEX		TOWNSHIP: SANDWICH WEST		LOT: 59	CONCESSION: 1	YEAR: 1977
CLASS: STORA		FIELD/POOL: SANDWICH WEST		STATUS: PETR PROD STORAGE		
COUNTRY: ESSEX		TOWNSHIP: SANDWICH WEST		LOT: 59	CONC: 1	4327
WELL NAME: DOME STORAGE C SANDWICH WEST		PERMIT NO.: 59-1		TOTAL DEPTH: 1570' RBTD		
OPERATOR: DOME PETROLEUM LTD		RIG TYPE: ROT		ELEV. 593+15'		
DRILLING CO: CORUNNA PETROLEUMS		CO-ORDINATES: 613°N:2093°W		SEQ: 1		
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 44-17-04 N		
Samples start at		80 ft	ELEV	THICK	LONGITUDE: 83-04-33 W	
Lime/Ground level		593	SPUNDED: MARCH 6, 1978			
Drill/Lake bottom		15	COMPLETED: FEBRUARY 21, 1977			
PRI LAMBERT			ABANDONED: MARCH 6, 1977			
Kettle Point			SPL. TRAY NO.: 3001			
HAMILTON			INDEX NO.: 296			
Dundee			INITIAL GAS RECORD			
Lucas			INITIAL GAS RECORD			
DETROIT			INITIAL GAS RECORD			
RIVER			INITIAL GAS RECORD			
Bois Blanc		580	INITIAL GAS RECORD			
G unit shale		662	INITIAL GAS RECORD			
F unit shale		888	INITIAL GAS RECORD			
E unit sand		1010	INITIAL GAS RECORD			
D unit sand		1250	INITIAL GAS RECORD			
C unit shale		1273	INITIAL GAS RECORD			
B unit sand		1350	INITIAL GAS RECORD			
A2 unit sand			INITIAL GAS RECORD			
A1 unit sand			INITIAL GAS RECORD			
Quelph			INITIAL GAS RECORD			
Ecomosa			INITIAL GAS RECORD			
Geot Island			INITIAL GAS RECORD			
Gaspot			INITIAL GAS RECORD			
Rochester			INITIAL GAS RECORD			
Indequeult			INITIAL GAS RECORD			
Raynoles			INITIAL GAS RECORD			
Thorold			INITIAL GAS RECORD			
Grisby			INITIAL GAS RECORD			
Cobol Head			INITIAL GAS RECORD			
Mentoulain			INITIAL GAS RECORD			
Whirlpool			INITIAL GAS RECORD			
Queenson			INITIAL GAS RECORD			
Medford Dundas			INITIAL GAS RECORD			
Collingwood			INITIAL GAS RECORD			
Verulam			INITIAL GAS RECORD			
Kirkfield			INITIAL GAS RECORD			
Cobegon			INITIAL GAS RECORD			
Gull River			INITIAL GAS RECORD			
Shadow Lake			INITIAL GAS RECORD			
CAMBRIAN			INITIAL GAS RECORD			
PRECAMBRIAN			INITIAL GAS RECORD			
Total Depth Samples 1570 ft		REMARKS		MOC: 6		
Sylvania facies present		OIL		NIT		
Critical missing samples		GAS		NIT		
Per salt present		PRESSURE		NIT		
D.S.T(S) ON FILE		PRODUCING INTVL.		NIT		
TREATMENT:		PERFORATED		OPEN HOLE		

COUNTY: ESSEX		TOWNSHIP: SANDWICH WEST		LOT: 59	CONCESSION: 1	YEAR: 1977
CLASS: STORA		FIELD/POOL: SANDWICH WEST		STATUS: PETR PROD STORAGE		
COUNTRY: ESSEX		TOWNSHIP: SANDWICH WEST		LOT: 59	CONC: 1	4409
WELL NAME: DOME STORAGE F SANDWICH WEST		PERMIT NO.: 59-1		TOTAL DEPTH: 1578' RBTD		
OPERATOR: DOME PETROLEUM LTD		RIG TYPE: ROT		ELEV. 595+15'		
DRILLING CO: CORUNNA PETROLEUMS		CO-ORDINATES: 1097°N:1763°W		SEQ: 1		
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 44-17-06 N		
Samples start at		10 ft	ELEV	THICK	LONGITUDE: 83-04-28 W	
Lime/Ground level		595	SPUNDED: APRIL 24, 1978			
Drill/Lake bottom		15	COMPLETED: APRIL 11, 1977			
PRI LAMBERT			ABANDONED: APRIL 24, 1977			
Kettle Point			SPL. TRAY NO.: 2983			
HAMILTON			INDEX NO.: 298			
Dundee			INITIAL GAS RECORD			
Lucas			INITIAL GAS RECORD			
DETROIT			INITIAL GAS RECORD			
RIVER			INITIAL GAS RECORD			
Bois Blanc		68	INITIAL GAS RECORD			
G unit shale		332	INITIAL GAS RECORD			
F unit shale		610	INITIAL GAS RECORD			
E unit sand		663	INITIAL GAS RECORD			
D unit sand		860	INITIAL GAS RECORD			
C unit shale		886	INITIAL GAS RECORD			
B unit sand		1028	INITIAL GAS RECORD			
A2 unit sand		1210	INITIAL GAS RECORD			
A1 unit sand		1278	INITIAL GAS RECORD			
Quelph			INITIAL GAS RECORD			
Ecomosa			INITIAL GAS RECORD			
Geot Island			INITIAL GAS RECORD			
Gaspot			INITIAL GAS RECORD			
Rochester			INITIAL GAS RECORD			
Indequeult			INITIAL GAS RECORD			
Raynoles			INITIAL GAS RECORD			
Thorold			INITIAL GAS RECORD			
Grisby			INITIAL GAS RECORD			
Cobol Head			INITIAL GAS RECORD			
Mentoulain			INITIAL GAS RECORD			
Whirlpool			INITIAL GAS RECORD			
Queenson			INITIAL GAS RECORD			
Medford Dundas			INITIAL GAS RECORD			
Collingwood			INITIAL GAS RECORD			
Verulam			INITIAL GAS RECORD			
Kirkfield			INITIAL GAS RECORD			
Cobegon			INITIAL GAS RECORD			
Gull River			INITIAL GAS RECORD			
Shadow Lake			INITIAL GAS RECORD			
CAMBRIAN			INITIAL GAS RECORD			
PRECAMBRIAN			INITIAL GAS RECORD			
Total Depth Samples 1590 ft		REMARKS		MOC: 6		
Sylvania facies present		OIL		NIT		
Critical missing samples		GAS		NIT		
Water analysis on file		PRESSURE		NIT		
D.S.T(S) ON FILE		PRODUCING INTVL.		NIT		
TREATMENT:		PERFORATED		OPEN HOLE		

CLASS: STORA		FIELD/POOL: SANDWICH WEST		STATUS: PETR PROD STORAGE	
COUNTRY: ESSEX	TOWNSHIP: SANDWICH WEST	LOT: 59	CONC: I	YEAR: 1977	
WELL NAME: DONE STORAGE E SANDWICH WEST 59-1		PERMIT No.: 4408	TOTAL DEPTH: 1578' PRTD. 593'+15'		
OPERATOR: DONE PETROLEUM LTD		RIG TYPE: ROT	ELEV. 593'+15'		
DRILLING CO.: CORUNA PETROLEUMS		CO-ORDINATES: 10971N11733W			
GEOLOGY BY: PETROLEUM RESOURCE					
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	
Samples start of		100 ft	593		
Late/Ground level					
Dirt/Lake bottom					
PRI LAMBERT					
Kettle Point					
Hamilton					
Morcellus		116			
Dundee		129			
Lucas		335			
Amherburg		614			
River					
Boss Islands		653			
G unit shale		854			
F unit shale		878			
E unit carb		981			
D unit soil		1217			
C unit shale		1250			
B unit mortar		1321			
A unit soil		1370			
Salina					
A2 unit soil		carb			
A1 unit carb		only			
A1 unit exp		only			
Guelph					
Eramosa					
Geot Island					
Gasport					
Rochester					
Iondago					
Reynolds					
Thorold					
Grimsey					
Cobol Head					
Mentoulin					
Whirpool					
Queenson					
Meadow Dundas					
Collingwood					
Cobourg					
Verulam					
Kirkfield					
Cobocook					
Black River					
Shadow Lake					
Precambrian					
Total Depth Samples 1570 ft		MOQ: 7			
REMARKS					
SYLVANIA FACIES PRESENT					
DEEP SALT PRESENT					
POOR AGREEMENT BETWEEN LOG AND SAMPLES					
WATER ANALYSIS ON FILE					
D.S.T. (S) ON FILE		TREATMENT:		FORMATIONS	
		OPEN HOLE			

CLASS: DEVEL		FIELD/POOL: HALDIMAND		STATUS: GAS PRODUCER	
COUNTRY: HALDIMAND	TOWNSHIP: CANBOROUGH	LOT: 9	CONC: I	YEAR: 1977	
WELL NAME: BLACK JAMES D. F.		PERMIT No.: 4292	TOTAL DEPTH: 545' PRTD. 590'+2'		
OPERATOR: MORRISCHLEIDER, F.		RIG TYPE: CAB	ELEV. 590'+2'		
DRILLING CO.: BLACKSHELF		CO-ORDINATES: 4181'S: 350'W			
GEOLOGY BY: PETROLEUM RESOURCE					
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	
Samples start of		58 ft	590		
Late/Ground level					
Dirt/Lake bottom					
PRI LAMBERT					
Kettle Point					
Hamilton					
Morcellus					
Dundee					
Lucas					
Amherburg					
River					
Boss Islands					
G unit shale					
F unit shale					
E unit carb					
D unit soil					
C unit shale					
B unit mortar					
A unit soil					
Salina					
A2 unit soil		carb			
A1 unit carb		only			
A1 unit exp		only			
Guelph					
Eramosa					
Geot Island					
Gasport					
Rochester					
Iondago					
Reynolds					
Thorold					
Grimsey					
Cobol Head					
Mentoulin					
Whirpool					
Queenson					
Meadow Dundas					
Collingwood					
Cobourg					
Verulam					
Kirkfield					
Cobocook					
Black River					
Shadow Lake					
Precambrian					
Total Depth Samples 545 ft		MOQ: 7			
REMARKS					
0 UNIT EQUIV 65 B UNIT EQUIV 127					
D.S.T. (S) ON FILE		TREATMENT:		FORMATIONS	
		OPEN HOLES			

COUNTY: HALDIMAND		TOWNSHIP: LAKE ERIE		LOT: 18	CONCESSION: L	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: Maitland (L.ERIE)	STATUS: GAS PRODUCER	
WELL NAME: PLACE NO. 4 LAKE ERIE 18-L		TOWNSHIP: LAKE ERIE		LOT: 18	CONC: L	4540	PERMIT NO.: 9661 PBTD			
OPERATOR: PLACE GAS & OIL CO		TOTAL DEPTH: 966'		RIG TYPE: OCP		ELEV. 573'+14'	CO-ORDINATES: 42-49-54 N 79-51-14 W			
DRILLING CO: PLACE GAS & OIL CO		GEOLOGICAL CONTACTS: 62 ft		TOP	ELEV	THICK	LONGITUDE: 42-49-54 N 79-51-14 W CONFIDENTIAL: OCTOBER 3, 1977 SPUDED: AUGUST 17, 1977 COMPLETED: SEPTEMBER 3, 1977 ABANDONED: SPL. TRAY No.: 2479 INDEX No. 516 NATURAL GAS RECORD S.I. PRESSURE			
GEOLOGICAL CONTACTS: 62 ft		TOP	ELEV	THICK						
Samples start at		14	573							
Dirt/Lane bottom		0								
PRI. LAMBTON		Kennie Point		SPL. TRAY No.: 2479		INDEX No. 516	ABANDONED:			
HAMILTON		Mercellus		INTERVAL		NATURAL GAS RECORD	S.I. PRESSURE			
DETROIT		Lucas		824'		10000 MCF/D	S.I. PRESSURE			
RIVER		Amherstburg		825'		10000 MCF/D	S.I. PRESSURE			
		Bois Blanc		866'		14000 MCF/D	S.I. PRESSURE			
		Bois Blanc		120'						
		Bois Blanc		130'						
		G unit shale		190'						
		F unit shale		210'						
		E unit shale		300'						
		D unit shale		357'						
		C unit shale		417'						
		B unit shale		468'						
		A2 unit shale		109'						
		A-1 unit shale		510'						
		Eromosa								
		Goat Island								
		Rocheater								
		Irondequoit								
		Reynolds								
		Thorold								
		Grimsey								
		Cobol Head								
		Whitpool								
		Queensland								
		Medford Dundas								
		Collingwood								
		Cobourg								
		Verulam								
		Kirkfield								
		Cobecook								
		Black River								
		Shadow Lake								

COUNTY: HALDIMAND		TOWNSHIP: LAKE ERIE		LOT: 22		CONCESSION: E		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL:		STATUS/GAS SHOW		-ARD			
WELL NAME: PLACE GAS & OIL CO		TOWN: LAKE ERIE 22-E		LOT: 22 CONC: E		4519			
OPERATOR: PLACE GAS & OIL CO		TOTAL DEPTH: 968'		PERMIT NO: 068'		RPTD: 573+15'			
DRILLING CO: PETROLEUM RESOURCE		RIG TYPE: OCP		ELEV: 573+15'					
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 43-01-30 W		LATITUDE: 79-24-30 W		SEQ: 1			
GEOLOGICAL CONTACTS: 95 ft		TOP		ELEV		THICK			
Samples start at		Ground level		15		573			
Dry/Lake bottom		61							
PRI LAMBTON		Kettle Point							
HAMILTON		Marcellus							
DETROIT		Dundee							
RIVER		Lucas							
		Amherstburg							
		Boas Islands							
		G unit 330ft							
		F unit 360ft							
		E unit 360ft							
		D unit 360ft							
		C unit 360ft							
		B unit 360ft							
		A2 unit 360ft							
		A1 unit 360ft							
		Guelph							
		Eramosa							
		Goat Island							
		Gaspot							
		Rochester							
		Hondasquit							
		Raynolds							
		Thorold							
		Grimaby							
		Cobol Head							
		Montlouis							
		Whirlpool							
		Queenslon							
		Medford-Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocock							
		Gull River							
		Shadow Lake							
		CAMBRIAN							
		PRECAMBRIAN							
Total Depth Samples		920 ft		MOC: 7					
CRITICAL MISSING SAMPLES		REMARKS							
D.S.T(S) ON FILE		TREATMENT:							
		OIL		FINAL RESULTS					
		GAS		NIL					
		PRESSURE		3 MCF/D					
		PRODUCING INTVL.		806+ - 811'					
		PERFORATED		OPEN HOLE YES					
		FORMATION(S)		GPM/SY					

COUNTY: HALDIMAND		TOWNSHIP: SENECA		LOT: 9		CONCESSION: N.T.		YEAR: 1977	
CLASS: DEVIANT		FIELD/POOL: HALDIMAND		STATUS: GAS PRODUCER					
WELL NAME: MOORE NO. 2 SENECA 8-9-N-1		TOWNSHIP: SENECA		LOT: 9 CONC: N.T.		4410			
OPERATOR: MOORE & WAINMAN		TOTAL DEPTH: 590'		PERMIT NO: 590'		RPTD: 652+ 0'			
DRILLING CO: MOERSCHELDEN, F.		RIG TYPE: CAB		ELEV: 652+ 0'					
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 2700'51.858W		LATITUDE: 43-01-37 N		SEQ: 1			
GEOLOGICAL CONTACTS: 60 ft		TOP		ELEV		THICK			
Samples start at		Ground level		1		652			
Dry/Lake bottom		652							
PRI LAMBTON		Kettle Point							
HAMILTON		Marcellus							
DETROIT		Dundee							
RIVER		Lucas							
		Amherstburg							
		Boas Islands							
		G unit 330ft							
		F unit 360ft							
		E unit 360ft							
		D unit 360ft							
		C unit 360ft							
		B unit 360ft							
		A2 unit 360ft							
		A1 unit 360ft							
		Guelph							
		Eramosa							
		Goat Island							
		Gaspot							
		Rochester							
		Hondasquit							
		Raynolds							
		Thorold							
		Grimaby							
		Cobol Head							
		Montlouis							
		Whirlpool							
		Queenslon							
		Medford-Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocock							
		Gull River							
		Shadow Lake							
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 588 ft		MCC: 6							
REMARKS									

COUNTY: KENT		TOWNSHIP: CAMDEN GORE		LOT: 4	CONCESSION: XII		YEAR: 1977		CLASS: NEW	FIELD/POOL:	TOWNSHIP: CAMDEN GORE	LOT: 4	CONC: XII	STATUS: DRY HOLE	-ARD
WELL NAME: R&R 1. PALING 1 CAMDEN GORE 4-XII		OPERATOR: MARSH, THOMAS L.		GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS: 140 ft		Samples start at		TOTAL DEPTH: 530		PBD: 1977		4555	
Drill/Logs bottom		Kettle Point		112		140		396		512		615		2'	
Dundee		Lucas		396		512		615		2'		140		112	
Amherstburg		Bos Blonds		G unit 350ft		F unit 350ft		E unit 350ft		D unit 350ft		C unit 350ft		B unit 350ft	
A2 unit 350ft		A1 unit 350ft		Guelph		Ecomosa		Gaspert		Rochester		Hondagsuit		Raynolds	
Thorold		Grimsby		Cobol Head		Montoulin		Whirpool		Queens		Medford Dundas		Collingwood	
Cobourg		Verulam		Kirkfield		Cobocook		Gull River		Shadow Lake		CAMBRIAN		PRECAMBRIAN	
Total Depth Samples 645 ft		REMARKS		MOC: 6		UPPER PICKS INTERPRETIVE, NO LOGS OR SAMPLES		COLUMBUS FACIES PRESENT IN LUCAS		D.S.T (S) ON FILE		TREATMENT:		FORMATIONS	
INITIAL OIL RECORD		NATURAL FLOW		API GRAVITY		WATER RECORD		INTERVAL		STAT. LEV.		FLOW		TYPE	
33'- 35'		20'		100'		512'- 518'		100'		Casing and Tubing Record		SIZE		WEIGHT	
40'-0"		47'		Casing Shoe		47'		7'-00"		20'-0"		405'		Casing Shoe	
405'		405'		405'		405'		405'		405'		405'		405'	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
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Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
Logging Co.		Logging Record		Logging Interval		Type		Logged Interval		Type		Logged Interval		Type	
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COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 176

CONCESSION: S

YEAR: 1977

CLASS: DEVEL

FIELD/POOL: FIELD 0001

STATUS: DRY HOLE

-ARD

WELL NAME: CONSUMERS 131ST LAKE ERIE 176-S

OPERATOR: CONSUMERS GAS CO

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH: 2289'

RIG TYPE: ORF

CO-ORDINATES: 42-16-33 N 81-36-48 W

SPUNDED: AUGUST 14, 1977

COMPLETED: JULY 14, 1977

ABANDONED: JULY 15, 1977

SPL. TRAY NO.: 2610

INDEX NO. 1201

SEQ. 1

PERM. No: 4492

PBD: 1977

ELEV. 573+21'

LOG. CO.: SCHLUMBERGER

LOGGED INTERVAL 98'-2275'

GRUL 98'-2275'

DEML 940'-2261'

LOGGING CO.: SCHLUMBERGER

LOGGED INTERVAL 98'-2275'

GRUL 98'-2275'

DEML 940'-2261'

LOGGING CO.: SCHLUMBERGER

LOGGED INTERVAL 98'-2275'

GRUL 98'-2275'

DEML 940'-2261'

ORDOVICIAN

TRENTON

BLACK RIVER

CAMBRIAN

PRECAMBRIAN

Metford Dundas

Collingwood

Cobourg

Verulam

Kirkfield

Cobocook

Gull River

Shadow Lake

2071

2191

2223

2228

2021

2060

2071

2191

2223

2228

2071

2191

2223

2228

2071

2191

2223

2228

SILURIAN

AMABEL

Guelp

Ecomosa

Gaspert

Rochester

Hondagsuit

Raynolds

Thorold

Grimsby

Cobol Head

Montoulin

Whirpool

1738

1704

1716

1644

1478

1436

1396

1266

1177

1152

1002

892

752

654

521

1738

1704

1716

1644

1478

1436

1396

1266

1177

1152

1002

892

752

654

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1738

1704

1716

1644

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1177

1152

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752

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521

1738

1704

1716

1644

1478

1436

1396

1266

1177

1152

1002

892

752

654

521

DEVONIAN

HAMILTON

DETROIT RIVER

Lucas

Amherstburg

Bos Blonds

G unit 350ft

F unit 350ft

E unit 350ft

D unit 350ft

C unit 350ft

B unit 350ft

A2 unit 350ft

A1 unit 350ft

Guelp

Ecomosa

Gaspert

Rochester

Hondagsuit

Raynolds

Thorold

Grimsby

Cobol Head

Montoulin

Whirpool

21

98

241

318

521

654

752

892

1002

1152

1177

1266

1396

1436

1478

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1152

1177

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1704

1716

1738

CASING AND TUBING RECORD

SIZE 10.75"

WEIGHT 36.00

SET AT 98'

HOW SET HANGING

REV. 98'

CASING AND TUBING RECORD

SIZE 10.75"

WEIGHT 36.00

SET AT 98'

HOW SET HANGING

REV. 98'

CASING AND TUBING RECORD

SIZE 10.75"

WEIGHT 36.00

SET AT 98'

HOW SET HANGING

REV. 98'

CASING AND TUBING RECORD

SIZE 10.75"

WEIGHT 36.00

SET AT 98'

HOW SET HANGING

REV. 98'

WATER RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

WATER RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

WATER RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

WATER RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

INITIAL OIL RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

INITIAL OIL RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

INITIAL OIL RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

INITIAL OIL RECORD

INTERVAL 2100'-2130'

NATURAL FLOW

API GRAVITY 167.9516

CONING RECORD

CONDITION STORED

CORED INTERVAL 98'-2275'

REC. AMAL 98'-2275'

REC. AMAL 98'-2275'

CONING RECORD

CONDITION STORED

CORED INTERVAL 98'-2275'

REC. AMAL 98'-2275'

REC. AMAL 98'-2275'

CONING RECORD

CONDITION STORED

CORED INTERVAL 98'-2275'

REC. AMAL 98'-2275'

REC. AMAL 98'-2275'

CONING RECORD

CONDITION STORED

CORED INTERVAL 98'-2275'

REC. AMAL 98'-2275'

REC. AMAL 98'-2275'

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE PRODUCING INTVL.

PERFORATED OPEN HOLE

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE PRODUCING INTVL.

PERFORATED OPEN HOLE

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE PRODUCING INTVL.

PERFORATED OPEN HOLE

FINAL RESULTS

OIL NIL

GAS NIL

PRESSURE PRODUCING INTVL.

PERFORATED OPEN HOLE

REMARKS

MOC: 7

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MOC: 7

REMARKS

MOC: 7

D.S.T. (S) ON FILE

TREATMENT:

D.S.T. (S) ON FILE

TREATMENT:

D.S.T. (S) ON FILE

TREATMENT:

D.S.T. (S) ON FILE

TREATMENT:

COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 220

CONCESSION: F

YEAR: 1977

CLASS: EXTEN

FIELD/POOL: TALBOT(LAKE ERIE)

STATUS: GAS PRODUCER

COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 220 CONC: F

PERMIT NO: 4593

WELL NAME: CONSUMERS 13262 LAKE ERIE 220-F

OPERATOR: CONSUMERS GAS CO.

DRILLING CO: UNDERMANN GAS DEV

GEOLOGIST BY: PL. LITRUM RESOURCE

TOTAL DEPTH: 2235'

RIG TYPE: ORF

ELEV. 573'+22'

CO-ORDINATES: 42-13'-50" N 81-24'-23" W

LONGITUDE: 42-13'-50" N

LATITUDE: 81-24'-23" W

SPUDDED: OCTOBER 4, 1977

ABANDONED: SEPTEMBER 4, 1977

SPL. TRAV. NO: 3691

INDEX NO. 1207

INTERVAL

NATURAL FLOW

NATURAL GAS RECORD

INITIAL GAS RECORD

INITIAL OIL RECORD

NATURAL FLOW

NATURAL FLOW

A.P.I. GRAVITY

1625'-1720'

1357 MCF/D

817.5 PSIG

276 PSIG

2075'-2105'

INTERVAL

NATURAL FLOW

NATURAL FLOW

A.P.I. GRAVITY

NIL

NIL

NIL

NIL

WATER RECORD

INTERVAL

SPAL LEV.

FLOW

TYPE

10.75H

51.0H

99'

HANICING

99'

7.00H

36.0H

240'

CEMENTED

91'

4.50H

11.6H

1851'

CEMENTED

98'

2.58H

4.7H

1170.5'

HANICING

96'

LOGGING CO. SCHUMERGER

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

100'-2234'

GRNL

100'-2234'

CALP

910'-2234'

DEML

920'-2221'

LATL

930'-2234'

DIPM

1353'-1761'

CMPL

CONDITON

STORIED

REC.

ANAL

COED INTERVAL

REC.

ANAL

NIL

NIL

NIL

NIL

GAS ANALYSIS ON FILE

REMARKS

MAC: 7

FINAL RESULTS

GAS ANALYSIS ON FILE

REMARKS

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FINAL RESULTS

GAS ANALYSIS ON FILE

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GAS ANALYSIS ON FILE

REMARKS

MAC: 7

FINAL RESULTS

GAS ANALYSIS ON FILE

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FINAL RESULTS

GAS ANALYSIS ON FILE

RE

COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 220

CONG: F

YEAR: 1977

CLASS: EXTEN

FIELD/POOL: TALBOT(LAKE ERIE)

STATUS: GAS PRODUCER

COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 220

CONG: F

YEAR: 1977

WELL NAME: CONSUMERS 13262 LAKE ERIE 220-F

OPERATOR: CONSUMERS GAS CO.

DRILLING CO: UNDERMAYER GAS DEV

GEOLOGY BY: PLITERSLUM RESOURCE

CO-ORDINATES: 42-13'-50" N

LONGITUDE: 81-24'-23" W

SPUNDED: OCTOBER 4, 1977

COMPLETED: AUGUST 30, 1977

ABANDONED: SEPTEMBER 4, 1977

PERMIT NO: 4593

TOTAL DEPTH: 2235'

RIG TYPE: ORF

CO-ORDINATES: 42-13'-50" N

LONGITUDE: 81-24'-23" W

SPUNDED: OCTOBER 4, 1977

COMPLETED: AUGUST 30, 1977

ABANDONED: SEPTEMBER 4, 1977

INDEX NO. 1207

WATER RECORD

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COUNTY: KENT		TOWNSHIP: LAKE ERIE		LOT: 221	CONCESSION: H		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: TALBOT(L*ERIE)		STATUS: GAS PRODUCER				
WELL NAME: CONSUMERS 1192		TOWNSHIP: LAKE ERIE		LOT: 221	CONC: H	4500		
OPERATOR: CONSUMERS GAS CO.		PERMIT No. 1820		TOTAL DEPTH: 2251'		RBD. 1820'		
DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORF		ELEV. 573+21'				
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES:						
GEOLOGICAL CONTACTS: 240 ft		TOP	ELEV	THICK				
Samples start of		21	573					
Lake/Ground level		99						
PRI LAMBERTON		Kettle Point		240				
HAMILTON		Marcellus		479				
Dundee		732						
DETROIT RIVER		Lucas						
Amherstburg		918						
Bois Blanc		1028						
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COUNTY: KENT		TOWNSHIP: LAKE ERIE		LOT: 222	CONCESSION: D		YEAR: 1977	CLASS: DEVEL	FIELD/POOL:	STATUS: DRY HOLE	-ABD
WELL NAME: CONSUMERS 13173 LAKE ERIE 222-D		TOWNSHIP: LAKE ERIE		LOT: 222	CONC: D		4494				
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 2257'		PERMIT NO: 2257'		RETD					
DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORF		ELEV. 573+22'							
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-14-30 N		LONGITUDE: 81-33-11 W		SEQ: 1			
GEOLOGICAL CONTACTS:		Samples start at		240 ft	TOP	ELEV.	THICK.				
Lake/Ground level				22	573						
Drift/Lake bottom				99							
PRT LAMBTON											
Kettle Point				244							
HAMILTON				480							
Marcellus				678							
Dundee				834							
Lucas				906							
Amersburg				1054							
Bois Blanc				1134							
Bois Blanc				1134							
G unit shale				1247							
F unit shale				1270							
E unit carb				1270							
D unit soil				1354							
C unit shale				1484							
B unit soil				1524							
A2 unit soil				1579							
A2 unit soil				1612							
A1 unit carb				1656							
A1 unit carb				1680							
A1 unit carb				1702							
Guelph				1714							
Eromosa											
Goat Island											
Gaspot											
Rochester				2036							
Irodequoit				2062							
Raynolds				2078							
Thorold				2086							
Grimaby				2124							
Cobol Head				2195							
Monticoulin				2216							
Whirpool				2220							
Metford Dundas											
Collingwood											
Cobourg											
Verulam											
Kirkfield											
Cobocook											
Gull River											
Shadow Lake											
CAMBRIAN											
PRECAMBRIAN											
Total Depth Samples 2257 ft				MCC: 7							
REMARKS											
D.S.T(S) ON FILE		TREATMENT:		FINAL RESULTS							
				OIL NIL							
				GAS PRESSURE NIL							
				PRODUCING INTVL.							
				PERFORATED OPEN HOLE							
				FORMATIONS(S)							

COUNTY: KENT		TOWNSHIP: LAKE ERIE		LOT: 222	CONCESSION: M		YEAR: 1977	CLASS: DEVEL	FIELD/POOL:	STATUS: GAS SHOW	-ABD
WELL NAME: CONSUMERS 13196 LAKE ERIE 222-M		TOWNSHIP: LAKE ERIE		LOT: 222	CONC: M		4501				
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 2278'		PERMIT NO: 2278'		RETD					
DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORF		ELEV. 573+22'							
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES:									
GEOLOGICAL CONTACTS:		LATITUDE: 42-12-42 N		LONGITUDE: 81-32-42 W		SEQ: 1					
Samples start at		242 ft	TOP	ELEV.	THICK.						
Lake/Ground level		22	573								
Drift/Lake bottom		101									
PRT LAMBTON											
Kettle Point		243									
HAMILTON		489									
Marcellus		679									
Dundee		810									
Lucas		899									
Amersburg		1008									
Bois Blanc		1096									
Bois Blanc		1242									
G unit shale		1266									
F unit carb		1345									
D unit soil		1476									
C unit shale		1550									
B unit soil		1598									
A2 unit soil		1620									
A1 unit carb		1670									
Guelph		1676									
Eromosa		1714									
Goat Island											
Gaspot		2052									
Rochester		2082									
Irodequoit		2092									
Thorold		2098									
Grimaby		2160									
Cobol Head		2208									
Monticoulin		2245									
Whirpool		2252									
Metford Dundas											
Collingwood											
Cobourg											
Verulam											
Kirkfield											
Cobocook											
Gull River											
Shadow Lake											
CAMBRIAN											
PRECAMBRIAN											
Total Depth Samples 2278 ft		MCC: 7									
REMARKS											
D.S.T(S) ON FILE		TREATMENT:		FINAL RESULTS							
				OIL NIL							
				GAS PRESSURE NIL							
				PRODUCING INTVL.							
				PERFORATED OPEN HOLE							

COUNTY: KENT		TOWNSHIP: LAKE ERIE		LOT: 222	CONCESSION: V	YEAR: 1977	CLASS: NEW	FIELD/POOL: TALBOT(L-ERIE)	STATUS: GAS PRODUCER
COUNTY: KENT		TOWNSHIP: LAKE ERIE		LOT: 222	CONC: V		WELL NAME: CONSUMERS 13176 LAKE ERIE 222-V	PERMIT No.: 4497	
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE			TOTAL DEPTH: 4710' RPTD. 1747'	PETO. 573'+21'	
GEOLOGICAL CONTACTS:		TOP		ELEV		THICK	CO-ORDINATES: 42-10-49 N		
Samples start at		Lake/Ground level		21		573	LONGITUDE: 81-31-24 W		
Dirt/Lake bottom		100					CONFIDENTIAL: AUGUST 16, 1978		
Kettle Point		225					SPUNDED: AUGUST 16, 1977		
Hamilton		407					COMPLETED: AUGUST 16, 1977		
Dundas		652					ABANDONED: SPT TRAY No.: 3683		
Lucas		858					INITIAL GAS RECORD		
Amherstburg		1003					INTERVAL		
Bois Blanc		1092					NATURAL FLOW		
Bois Blanc		1092					S.I. PRESSURE		
G unit shale		1242					1685'-1704'		
F unit shale		1266					2175'-2205'		
E unit shale		1349					SHOW		
D unit shale		1476					INITIAL OIL RECORD		
C unit shale		1561					NATURAL FLOW		
B unit shale		1606					API GRAVITY		
A2 unit shale		1626					WATER RECORD		
A1 unit shale		1672					INTERVAL		
Guelph		1702					STAT LEV		
Eramosa							FLOW		
Guelph Island							TYPE		
Gosport							SULPHUR		
Rochester							SALT		
London							Casing and Tubing Record		
Reynolds							SIZE		
Thorold							WEIGHT SET AT		
Grimby							HOW SET		
Cobalt Head							REU.		
Monticlini							10.75' 51.04' 100' HANGING		
Whitpool							13.38' 48.04' 287' CEMENTED		
Queens							9.63' 36.04' 925' CEMENTED		
Medford Dundas							20.04' 2350' CEMENTED		
Collingwood							4.50' 11.64' 1641' CEMENTED		
Cobourg							LOGGING CO: SCHLUMBERGER		
Verulam							LOGGED INTERVAL		
Kirkfield							TYPE		
Coburn							90'-4710'		
Kirkfield							GRNL 90'-4710' CALP		
Coburn							925'-4710' LATL		
Coburn							2316'-4705' DIPH		
Coburn							1441'-4740' SONL		
Coburn							CORING RECORD		
Coburn							STORIED		
Coburn							CONDITION		
Coburn							CORED INTERVAL		
Coburn							REC. ANAL		
Coburn							FINAL RESULTS		
Coburn							OIL		
Coburn							GAS		
Coburn							PRESSURE		
Coburn							PRODUCING INTVL.		
Coburn							1697'-1712'		
Coburn							PERFORATED YES OPEN HOLE		
Coburn							FORMATIONS) AT CARBONATE		
Coburn							TREATMENT:		
Coburn							D.S.T.(S) ON FILE		
Coburn							MOC: 7		
Coburn							REMARKS		
Coburn							Total Depth Samples 4710 ft		
Coburn							SPRINGVALE AT BASE OF BOIS BLANC		
Coburn							WATER ANALYSIS ON FILE		

COUNTY: KENT

TOWNSHIP: LAKE ERIE

LOT: 223

CONCESSION: P

YEAR: 1977

CLASS: EXTN

STATUS: DRY HOLE

FIELD/POOL: LAKE ERIE

CONC: P

PERMIT No.: 4493

WELL NAME: CONSUMERS 13172 LAKE ERIE 223-P

OPERATOR: CONSUMERS GAS CO.

DRILLING CO: UNDERWATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

TOTAL DEPTH: 2402' RPTD.

PETO. 573'+21'

CO-ORDINATES: 42-11-45 N

LONGITUDE: 81-39-43 W

CONFIDENTIAL: AUGUST 20, 1977

SPUNDED: JULY 15, 1977

COMPLETED: JULY 20, 1977

ABANDONED: JULY 21, 1977

SPT TRAY No.: 3667

INITIAL GAS RECORD

INTERVAL

NATURAL FLOW

S.I. PRESSURE

WATER RECORD

INTERVAL

STAT LEV

FLOW

TYPE

DEONIAN

WELL

DETROIT

RIVER

Lucas

Amherstburg

Bois Blanc

Bas Islands

G unit shale

F unit shale

E unit shale

D unit shale

C unit shale

B unit shale

A2 unit shale

A1 unit shale

Guelph

Eramosa

Gosport

Rochester

London

Reynolds

Thorold

Grimby

Cobalt Head

Monticlini

Whitpool

Queens

Medford Dundas

Collingwood

Cobourg

Verulam

Kirkfield

Cobascent

Gull River

Shadow Lake

CAMBRIAN

PRECAMBRIAN

Top

Elev

Thick

Remarks

Final Results

Oil

NIL

Gas

NIL

Pressure

NIL

Producing Intvl.

Perforated

Open Hole

[illegible]

COUNTY: KENT

TOWNSHIP: ORFORD

LOT: 18

CONCESSION: VIII

YEAR: 1977

CLASS: NFNT

FIELD/POOL:

TOWNSHIP: ORFORD

STATUS: DR. HOLE

VIII

-ABD

WELL NAME: NEW KEOLE ET 2

OPERATOR: MID-NORTH ENG.

DRILLING CO.: RAWLINGS DRILLING

GEOLOGY BY: PETROLEUM RESOURCE

GEOLOGICAL CONTACTS:

Sample interval: 210 ft

Date/Depth bottom

PREL LAMBERT

Kettle Point

Morgeline

Dundas

Lucas

Amherstburg

Bass Islands

C unit 190/2

F unit 190/2

E unit 190/2

C unit 190/2

Salina

B unit 190/2

D unit 190/2

A-1 unit 190/2

Guelph

Eramora

Geol Island

Gasport

Rocheester

Hondeauqui

Reynolds

Thorold

Grimaby

Cobol Head

Monticoulin

Whitpool

Question

Method: Dundas

Collingwood

Cobourg

Varioum

Kirkfield

Cobocook

Gull River

Shadow Lake

CAMERIAN

PRECAMBRIAN

Total Depth Samples 1801 ft

REMARKS

D UNIT EQUIV 1583 B UNIT EQUIV 1464

COLUMBUS PACIES PRESENT IN LUCAS

SPRINGVALE AT BASE OF 8015 BLACS

TOTAL DEPTH: 1801'

RIG TYPE: CAB

CO-ORDINATES: 1137°51.825'E

LATITUDE: 42-33-00" N

LONGITUDE: 81-17-26" W

CONFIDENTIAL

SPUNDED: AUGUST 21, 1978

COMPLETED: SEPTEMBER 21, 1977

ABANDONED: SEPTEMBER 29, 1977

SP.L. TRAX No.: 2969

INDEX No. 1211

PERMIT No.: 4554

PATO

ELEV. 709' + 4'

SEP. 1

S.I. PRESSURE

CASING AND TUBING RECORD

SIZE

WEIGHT

SET AT

HOW SET

REU.

10" 75#

40" 0#

212'

CASING SHOE

212'

8" 63#

24" 0#

450'

CASING SHOE

450'

7" 00#

20" 0#

1169'

PACKER

1136'

LOGGING RECORD

LOGGING CO.: GREAT GUNS

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

1" 1799'

GRNL

CORING RECORD

CONDITION

STORIED

REC.

ANAL CORED INTERVAL

REC.

ANAL

NIL

FINAL RESULTS

OIL

NIL

GAS

NIL

PRESSURE

PRODUCING INTVL.

PERFORMATED

OPEN HOLE

TREATMENT:

D.S.T (S) ON FILE

COUNTY: KENT		TOWNSHIP: ORFORD		LOT: 23	CONCESSION: 1X	YEAR: 1977	CLASS: NFW	FIELD/POOL:	STATUS: GAS SHOW	-ARD	
WELL NAME: NEW KLEORE NO. 1 ORFORD 1-23-1X		TOWNSHIP: ORFORD		LOT: 23	CONC: 1X	4507	OPERATOR: MID-NORTH ENG.	PERMIT No.: 1827	PETD	713'± 3'	
DRILLING CO: RAWLINGS DRILLING		RIG TYPE: CAB		ELEV. 713'± 3'		TOTAL DEPTH: 1827'		CO-ORDINATES: 360°5: 360°E			
GEOLOGICAL BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	LONGITUDE: 42-33-33 N		SEC: 1		
Samples start at		236 ft	713		CONFIDENTIAL:		SPUNDED: AUGUST 21, 1977		COMPLETED: JUNE 7, 1977		
Date/Locate bottom		3	ABANDONED: JULY 27, 1977		SPL. TRAY No.: 2368		INITIAL GAS RECORD		INDEX No. 1202		
PRT. LAMBERTON		Kentle Point	233		INTERVAL		INITIAL NATURAL FLOW		S.I. PRESSURE		
HAMILTON		Mercelle	462		1745'-1749'		SHOW				
DETROIT		Dundee	604								
RIVER		Lucas	783								
		Amherstburg	953								
		Bois Blanc	1147								
		G unit shale	1312								
		F unit sand	1335								
		D unit sand	1439								
		C unit shale	1560								
		B unit sand	1599								
		A2 unit sand	1658								
		A1 unit sand	1738								
		Guelph	1790								
		Eramosa									
		Guelph Island									
		Georgetown									
		Rebstock									
		Indreduell									
		Reynolds									
		Thorold									
		Grimby									
		Cobol Head									
		Monticoulin									
		Whitpool									
		Queensston									
		Medford Dundas									
		Collingwood									
		Cobourg									
		Vernon									
		Kirkfield									
		Cabecoon									
		Gull River									
		Shadow Lake									
		PRECAMBRIAN									
		1827 ft									
		MQC: 7									

[illegible][illegible]

COUNTY: LAMBTON		TOWNSHIP: BROOKE		LOT: 7		CONCESSION: V		YEAR: 1977	
CLASS: NEW		FIELD/POOL:		TOWNSHIP: BROOKE		STATUS: SALT WATER		-ABD	
WELL NAME: BLUEWATER TREE BROOKE 1-7-V		PERMIT NO.: 1958*		RPTD: 4577		4577			
OPERATOR: RAMLING'S DRILLING		RIG TYPE: CAB		ELEV: 699'±		4'			
DRILLING CO.: POUNDER & HARMON		CO-ORDINATES: 550°S, 1148°E							
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-49-01 N		LONGITUDE: 81-57-29 W		SEQ: 1			
GEOLOGICAL CONTACTS:		65 ft		TOP		ELEV		THICK	
Samples start at		65 ft		TOP		ELEV		THICK	
Late/Gravel level		4		689					
Drift/Lake bottom		62							
PRT LAMBTON		Kettle Point		146					
HAMILTON		Mercellus		392					
DETROIT		Dundee		458					
RIVER		Lucas		706					
		Amherstburg		801					
		Bois Blanc		910					
		Beas Islands		940					
		G unit shale		1056					
		F unit shale		1076					
		E unit carb		1166					
		D unit carb		1310					
		C unit shale		1345					
		B unit shale		1373					
		only		1607					
		carb		1609					
		only		1777					
		carb		1778					
		A 1 unit		1861					
		evap							
		Guelph							
		Eromosa							
		Goat Island		1927					
		Gaspport							
		Rochester							
		Hondaquilt							
		Reynolds							
		Thorold							
		Grimaby							
		Cobol Head							
		Monticoulin							
		Whirlpool							
		Queensien							
		Medford-Dundas							
		Collingwood							
		Cobourg							
		Verulam							
		Kirkfield							
		Cobocornk							
		Gull River							
		Shadow Lake							
CATABACT									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1958 ft									
REMARKS		MQC: 7							
D UNIT EQUIV 1302									
COLUMBUS FACIES PRESENT IN LUCAS									
D.S.T(S) ON FILE									
TREATMENT:									

CLASS: STORA	FIELD/POOL: DAWN 59-85	STATUS: STORAGE WELL
COUNTY: LAMBTON	TOWNSHIP: DAWN	LOT: 24 CONC: 11
WELL NAME: UNION DAWN 243 DAWN 24-11	PERMIT No.: 1841	4307
OPERATOR: UNION GAS COMPANY	RIG TYPE: CAB	ELEV. 626'+15'
DRILLING CO.: CORUNNA PETROLEUMS	CO-ORDINATES: 386°S;1986°E	
GEOLOGY BY: PETROLEUM RESOURCE		
GEOLOGICAL CONTACTS:		
<div> <div> Samples start at 130 ft </div> <div> TOP ELEV THICK </div> </div>		
<div> <div> Lake/Gravel bottom Drift/Lake bottom </div> <div> 15 </div> </div>		
<div> <div> PRT LAMBTON </div> <div> Kettle Point </div> </div>		
<div> <div> HAMILTON </div> <div> Marcellus </div> </div>		
<div> <div> DETROIT </div> <div> Lucas </div> </div>		
<div> <div> RIVER </div> <div> Amherstburg </div> </div>		
<div> <div> Bos Islands </div> <div> Bos Islands </div> </div>		
<div> <div> G unit shale </div> <div> 1112 </div> </div>		
<div> <div> F unit shale </div> <div> 1135 </div> </div>		
<div> <div> D unit shale </div> <div> 1237 </div> </div>		
<div> <div> C unit shale </div> <div> 1352 </div> </div>		
<div> <div> B unit shale </div> <div> 1422 </div> </div>		
<div> <div> Salina </div> <div> 1547 </div> </div>		
<div> <div> A2 unit shale </div> <div> 0 </div> </div>		
<div> <div> A1 unit shale </div> <div> 1630 </div> </div>		
<div> <div> Guelph </div> <div> 0 </div> </div>		
<div> <div> Eramosa </div> <div> 1753 </div> </div>		
<div> <div> Gosport Island </div> <div> 1753 </div> </div>		
<div> <div> Gosport </div> <div> 1753 </div> </div>		
<div> <div> Rochester </div> <div> 1753 </div> </div>		
<div> <div> Indonacquit </div> <div> 1753 </div> </div>		
<div> <div> Reynolds </div> <div> 1753 </div> </div>		
<div> <div> Thorold </div> <div> 1753 </div> </div>		
<div> <div> Grimby </div> <div> 1753 </div> </div>		
<div> <div> Cabo Head </div> <div> 1753 </div> </div>		
<div> <div> Monticoulin </div> <div> 1753 </div> </div>		
<div> <div> Whitpool </div> <div> 1753 </div> </div>		
<div> <div> Queensston </div> <div> 1753 </div> </div>		
<div> <div> Melford-Dundas </div> <div> 1753 </div> </div>		
<div> <div> Collingwood </div> <div> 1753 </div> </div>		
<div> <div> Verulam </div> <div> 1753 </div> </div>		
<div> <div> Kirkfield </div> <div> 1753 </div> </div>		
<div> <div> Goboscok </div> <div> 1753 </div> </div>		
<div> <div> Gull River </div> <div> 1753 </div> </div>		
<div> <div> Shadow Lake </div> <div> 1753 </div> </div>		
<div> <div> CAMBRIAN </div> <div> 1753 </div> </div>		
<div> <div> PRECAMBRIAN </div> <div> 1753 </div> </div>		
<div> <div> Total Depth Samples 1841 ft </div> <div> MOC: 7 </div> </div>		
<div> <div> REMARKS </div> <div> 0 UNIT EQUIV 1330 COLUMBUS FACIES PRESENT IN LUCAS </div> </div>		
<div> <div> D.S.T (S) ON FILE </div> <div> TREATMENT: </div> </div>		
<div> <div> OIL </div> <div> NIT </div> </div>		
<div> <div> GAS </div> <div> NIT </div> </div>		
<div> <div> PRESSURE </div> <div> NIT </div> </div>		
<div> <div> PRODUCING INTVL. </div> <div> NIT </div> </div>		
<div> <div> PERFORATED </div> <div> OPEN HOLE YES </div> </div>		
<div> <div> FORMATIONS(S) </div> <div> NIT </div> </div>		

CLASS: NFW	FIELD/POOL: COREY EAST	STATUS: GAS PRODUCER
COUNTY: LAMBTON	TOWNSHIP: DAWN	LOT: 24 CONC: 1V
WELL NAME: FORBES NO.1 DAWN 4-24-1V	PERMIT No.: 1841	4319
OPERATOR: MEYLOW OIL CO. LTD	RIG TYPE: CAB	ELEV. 641'+4'
DRILLING CO.: NEWPORT WELLINGTON	CO-ORDINATES: 400°N;1500°W	
GEOLOGY BY: PETROLEUM RESOURCE		
GEOLOGICAL CONTACTS:		
<div> <div> Samples start at 71 ft </div> <div> TOP ELEV THICK </div> </div>		
<div> <div> Lake/Gravel bottom Drift/Lake bottom </div> <div> 4 </div> </div>		
<div> <div> PRT LAMBTON </div> <div> Kettle Point </div> </div>		
<div> <div> HAMILTON </div> <div> Marcellus </div> </div>		
<div> <div> DETROIT </div> <div> Lucas </div> </div>		
<div> <div> RIVER </div> <div> Amherstburg </div> </div>		
<div> <div> Bos Islands </div> <div> Bos Islands </div> </div>		
<div> <div> G unit shale </div> <div> 1512 </div> </div>		
<div> <div> F unit shale </div> <div> 1580 </div> </div>		
<div> <div> D unit shale </div> <div> 1580 </div> </div>		
<div> <div> C unit shale </div> <div> 1580 </div> </div>		
<div> <div> B unit shale </div> <div> 1580 </div> </div>		
<div> <div> Salina </div> <div> 1580 </div> </div>		
<div> <div> A2 unit shale </div> <div> 1580 </div> </div>		
<div> <div> A1 unit shale </div> <div> 1580 </div> </div>		
<div> <div> Guelph </div> <div> 1580 </div> </div>		
<div> <div> Eramosa </div> <div> 1580 </div> </div>		
<div> <div> Gosport Island </div> <div> 1580 </div> </div>		
<div> <div> Gosport </div> <div> 1580 </div> </div>		
<div> <div> Rochester </div> <div> 1580 </div> </div>		
<div> <div> Indonacquit </div> <div> 1580 </div> </div>		
<div> <div> Reynolds </div> <div> 1580 </div> </div>		
<div> <div> Thorold </div> <div> 1580 </div> </div>		
<div> <div> Grimby </div> <div> 1580 </div> </div>		
<div> <div> Cabo Head </div> <div> 1580 </div> </div>		
<div> <div> Monticoulin </div> <div> 1580 </div> </div>		
<div> <div> Whitpool </div> <div> 1580 </div> </div>		
<div> <div> Queensston </div> <div> 1580 </div> </div>		
<div> <div> Melford-Dundas </div> <div> 1580 </div> </div>		
<div> <div> Collingwood </div> <div> 1580 </div> </div>		
<div> <div> Verulam </div> <div> 1580 </div> </div>		
<div> <div> Kirkfield </div> <div> 1580 </div> </div>		
<div> <div> Goboscok </div> <div> 1580 </div> </div>		
<div> <div> Gull River </div> <div> 1580 </div> </div>		
<div> <div> Shadow Lake </div> <div> 1580 </div> </div>		
<div> <div> CAMBRIAN </div> <div> 1580 </div> </div>		
<div> <div> PRECAMBRIAN </div> <div> 1580 </div> </div>		
<div> <div> Total Depth Samples 1930 ft </div> <div> MOC: 7 </div> </div>		
<div> <div> REMARKS </div> <div> D UNIT EQUIV 1488 B UNIT EQUIV 1560 </div> </div>		
<div> <div> D.S.T (S) ON FILE </div> <div> TREATMENT: </div> </div>		
<div> <div> OIL </div> <div> NIT </div> </div>		
<div> <div> GAS </div> <div> 30 MCF/D </div> </div>		
<div> <div> PRESSURE </div> <div> NIT </div> </div>		
<div> <div> PRODUCING INTVL. </div> <div> NIT </div> </div>		
<div> <div> PERFORATED </div> <div> OPEN HOLE </div> </div>		
<div> <div> FORMATIONS(S) </div> <div> NIT </div> </div>		

CLASS: STORA	FIELD/POOL: DAWN 59-85	STATUS: STORAGE WELL
COUNTY: LAMBTON	TOWNSHIP: DAWN	LOT: 25 CONC: 11
WELL NAME: UNION DAM#2 DAWN 25-11	PERMIT NO.: 4305	
OPERATOR: CONSUMERS GAS CO.	TOTAL DEPTH: 1847' RBTD.	
DRILLING CO.: CONUNA PETROLEUMS	RIG TYPE: CAB ELEV.	626'±15'
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES: 271N, 2202' W	
GEOLOGICAL CONTRACTS:	LATITUDE: 42-42-31' N	SEQ: 1
Longitude: 82-13-02' W		
CONFIDENTIAL: JUNE 21, 1978		
SPUNDED: NOVEMBER 27, 1976		
ABANDONED: JUNE 21, 1977		
SPL. TRAY No.: 2050	INDEX No. 2197	
DEVIATION: 1598'-1841'	INITIAL GAS RECORD	S.I. PRESSURE
	NATURAL FLOW	600 PSIG
DEVIATION: 1598'-1841'	INITIAL OIL RECORD	
	NATURAL FLOW	
	API GRAVITY	
	INTERVAL	
	STAT. LEV.	
	FLOW	
	TYPE	
	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
	FLOW	
	TYPE	
	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
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	INTERVAL	
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	INTERVAL	
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	INTERVAL	
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	INTERVAL	
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	INTERVAL	
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	INTERVAL	
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	INTERVAL	
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	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
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	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
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	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
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	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
	FLOW	
	TYPE	
	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
	INTERVAL	
	STAT. LEV.	
	FLOW	
	TYPE	
	WATER RECORD	
	STAT. LEV.	
	FLOW	
	TYPE	
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COUNTY: LAMBTON		TOWNSHIP: DAWN		LOT: 25	CONCESSION: VI		YEAR: 1977		CLASS: NFW		FIELD/POOL:		STATUS: GAS AND OIL SHOW -ARD		
WELL NAME: FORBES NO.8 DAWN 3-25-VI		TOWNSHIP: DAWN		LOT: 25		CONC: VI		PERMIT NO: 456		TOTAL DEPTH: 1939'		PATD.		RIG TYPE: CAR ELEV. 653' + 4'	
OPERATOR: MEYLOW OIL CO., LTD		DRILLING CO: NEWPORT, JAMES R.		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 350°E, 1800°W		LATITUDE: 42-42-39 N		LONGITUDE: 82-09-53 W		CONFIDENTIAL: SEPTEMBER 27, 1978		SPUNDED: AUGUST 29, 1977	
COMPLETED: SEPTEMBER 27, 1977		ABANDONED: OCTOBER 3, 1977		SPL. TRAY NO: 3920		INDEX NO: 2219		NATURAL GAS RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1875'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
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Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW		S.U. PRESSURE		SHOW	
Interval		1910'-1915'		INITIAL OIL RECORD		INITIAL GAS RECORD		INITIAL OIL RECORD		NATURAL FLOW					

COUNTY: LAMONT		TOWNSHIP: DAWN		LOT: 26		CONCESSION: VI		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: DAWN 4-27-II		STATUS: GAS PRODUCER		450H			
COUNTY: LAMONT		TOWNSHIP: DAWN		LOT: 26 CONC: VI					
WELL NAME: MCCLURE OIL CO.		MCCLURE OIL CO.		PERMIT No.: 1695*		RIG TYPE: CAR		ELEV. 657** 4*	
OPERATOR: TREMBLAY DRILLING		TREMBLAY DRILLING		CO-ORDINATES: 350'5.5" 650'W		LATITUDE: 42°-4'-59" N		LONGITUDE: 82°-03'-31" W	
GEOLOGY BY: PETROFILM RESOURCE		PETROFILM RESOURCE		CONFIDENTIAL: SEPTEMBER 15, 1977		SPUNDED: JULY 7, 1977		COMPLETED: AUGUST 15, 1977	
GEOLOGICAL CONTACTS:		TOP		ELEV. THICK		SP. TRAV. No.: 236*		INDEX No.: 2201	
Samples short of		66 ft							
Late/Ground level		4		657					
PRI LAMONT		Kenna Point		64					
		Morris		193					
DEVONIAN		HAMILTON		Morris		426			
		Dundee		500		1581*		INTERVAL	
		Lucas		730		1692*		NATURAL FLOW	
		Amherburg		829		1641*		SHOW	
		Bois Blanc		934		1675*		1000 MCF/D	
		Bois Blanc		1076				5600 MCF/D	
		F unit shale		1097				7120 MCF/D	
		E unit carb		1199				9880 MCF/D	
		D unit soil		1322					
		C unit shale		1356					
		B unit soil		1397					
		A unit carb		1502					
		A1 unit		1577					
		Guelph		1584					
		Eramosa		0					
		Goat Island		0					
		Gaspot		0					
		Rochester		0					
		Hondquait		0					
		Reynolds		0					
		Thorold		0					
		Grimby		0					
		Cobol Head		0					
		Montclair		0					
		Whitpool		0					
		Queenston		0					
		Medford Dundas		0					
		Collingwood		0					
		Cobourg		0					
		Verulam		0					
		Kirkfield		0					
		Cobocank		0					
		Gull River		0					
		Shadow Lake		0					
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples		1685 ft							
REMARKS		M.C.C.: 7							
D UNIT EQUIV 1303									
PINNACLE REEF - A1 AND GUELPH									
COUNTY: LAMONT		TOWNSHIP: DAWN		LOT: 26 CONC: VI					
WELL NAME: MCCLURE OIL CO.		MCCLURE OIL CO.		PERMIT No.: 1695*		RIG TYPE: CAR		ELEV. 657** 4*	
OPERATOR: TREMBLAY DRILLING		TREMBLAY DRILLING		CO-ORDINATES: 350'5.5" 650'W		LATITUDE: 42°-4'-59" N		LONGITUDE: 82°-03'-31" W	
GEOLOGY BY: PETROFILM RESOURCE		PETROFILM RESOURCE		CONFIDENTIAL: SEPTEMBER 15, 1977		SPUNDED: JULY 7, 1977		COMPLETED: AUGUST 15, 1977	
GEOLOGICAL CONTACTS:		TOP		ELEV. THICK		SP. TRAV. No.: 236*		INDEX No.: 2201	
Samples short of		66 ft							
Late/Ground level		4		657					
PRI LAMONT		Kenna Point		64					
		Morris		193					
DEVONIAN		HAMILTON		Morris		426			
		Dundee		500		1581*		INTERVAL	
		Lucas		730		1692*		NATURAL FLOW	
		Amherburg		829		1641*		SHOW	

COUNTY: LAMONT

TOWNSHIP: DAWN

LOT: 26

CONCESSION: VI

YEAR: 1977

CLASS: DEVEL

FIELD/POOL: DAWN 4-27-II

STATUS: GAS PRODUCER

WELL NAME: MCCLURE OIL CO.

OPERATOR: TREMBLAY DRILLING

GEOLOGY BY: PETROFILM RESOURCE

PERMIT No.: 1695*

RIG TYPE: CAR

CO-ORDINATES: 350°5.5'

LATITUDE: 42°-4'-59" N

LONGITUDE: 82°-03'-31" W

CONFIDENTIAL: SEPTEMBER 15, 1977

SPUNDED: JULY 7, 1977

COMPLETED: AUGUST 15, 1977

ABANDONED:

SP. TRAV No.: 236*

INDEX No.: 2201

SECT: 1

LOGGING CO. GREAT GUNS

LOGGED INTERVAL 1581'-1681'

LOGGED INTERVAL 1581'-1681'

LOGGED INTERVAL 1581'-1681'

LOGGED INTERVAL 1581'-1681'

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LOGGED INTERVAL 1581'-1681

COUNTY: LAMBTON		TOWNSHIP: DAWN		LOT: 26	CONCESSION: VII		YEAR: 1977		CLASS: DEVEL		FIELD/POOL: DAWN #1		STATUS: GAS PRODUCER		
WELL NAME: FORBES No. 6		TOWNSHIP: DAWN		LOT: 26		CONC: VII		PERMIT NO. 4544		TOTAL DEPTH: 1905'		RIG TYPE: CAB		PERD. 1800'	
OPERATOR: McLOW OIL CO. LTD		CO-ORDINATES: 35515; 3551E		LATITUDE: 42-42-56 N		LONGITUDE: 82-00-21 W		SEQ. 1		CO-ORDINATES: 35515; 3551E		ELEV. 658' ± 4'			
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LONGITUDE: 82-00-21 W		CONFIDENTIAL: DECEMBER 30, 1977		SPUNDED: OCTOBER 7, 1977		COMPLETED: NOVEMBER 30, 1977		ABANDONED:			
Samples sent at		75 ft		TOP		ELEV		THICK							
Date/Depth level						658									
Ditch/Lake bottom															
PRT LAMBTON															
Kettle Point						75									
HAMILTON						215									
Dundee						447									
DETROIT						544									
RIVER						770									
Lucas						840									
Amherstburg						840									
Bols Blanc						960									
Bols Islands						1108									
G unit 3204						1129									
F unit 3406						1220									
E unit 3406						1394									
D unit 3406						1442									
C unit 3406						1360									
B unit 3406						1442									
A2 unit 3406						1730									
A1 unit 3406						1741									
A-1 unit 3406						1862									
Guelph						1876									
Ecomoso															
Guelph Island															
Gosport															
Rochester															
Irondequoit															
Reynolds															
Thorold															
Grimsby															
Cobol Head															
Monticoulin															
Whirlpool															
Queenson															
Medford Dundas															
Collingwood															
Cobourg															
Verulam															
Kirkfield															
Trenton															
BLACK RIVER															
Cobocook															
Shadow Lake															
CAMBRIAN															
PRECAMBRIAN															
Total Depth Samples 1903 ft						MGC: 7									
D UNIT EQUIV 1340															
REMARKS															
OIL						NIL									
GAS						220 MCF/D									
PRESSURE						R20 PSIG									
PRODUCING INTVL.						1754'-1772'									
PERFORATED						OPEN HOLE YES									
TREATMENT:						AT CARBONATE									
D.S.T (S) ON FILE						FORMATIONS)									

COUNTY: LAMBTON		TOWNSHIP: DAWN		LOT: 27	CONCESSION: VI	YEAR: 1977	CLASS: NEW	FIELD/POOL: DAWN #1		STATUS: GAS PRODUCER
WELL NAME: McCLEURE-UNION DAWN I-27-VI		TOWNSHIP: DAWN		LOT: 27	CONC: VI	PERMIT NO. 4329				
OPERATOR: McCLEURE OIL CO.		TOTAL DEPTH: 1757'		RIG TYPE: CAB		PERD. 659' ± 4'				
DRILLING CO.: TREMBLAY DRILLING		CO-ORDINATES: 60014; 6001 W		LATITUDE: 42-43-08 N		SEQ. 1				
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LONGITUDE: 82-08-33 W						
Samples sent at		67 ft		TOP		ELEV	THICK			
Date/Depth level		4				659				
Ditch/Lake bottom										
PRI LAMBTON										
Kettle Point						63				
HAMILTON						160				
Dundee						392				
DETROIT						468				
RIVER						737				
Lucas						827				
Amherstburg						855				
Bols Blanc						1041				
Bols Islands						1060				
G unit 3204						1166				
F unit 3406						1287				
E unit 3406						1316				
D unit 3406						1356				
C unit 3406						1481				
B unit 3406						1560				
A2 unit 3406						1564				
A1 unit 3406						0				
Guelph						1647				
Ecomoso										
Geot Island										
Gosport										
Rochester										
Irondequoit										
Reynolds										
Thorold										
Grimby										
Cabot Head										
Montipoulin										
Whirpool										
Queenson										
Metford-Dundas										
Collingwood										
Cobourg										
Vennum										
Kirkfield										
Cobecoak										
Gull River										
Shadow Lake										
CAMBRIAN										
PRECAMBRIAN										
Total Depth Samples 1757 ft										
REMARKS										
D UNIT EQUIV 1270										
MCC: 7										
TOTAL DEPTH: 1757'										
RIG TYPE: CAB										
CO-ORDINATES: 60014; 6001 W										
LATITUDE: 42-43-08 N										
LONGITUDE: 82-08-33 W										
CONFIDENTIAL: SPUDDED: FEBRUARY 14, 1977										
COMPLETED: MARCH 28, 1977										
ABANDONED:										
SPL. TRAY NO.: 3075										
INITIAL GAS RECORD										
NATURAL FLOW										
SHOW										
1524'										
1560'-1561'										
1594'										
1646'										
1757'										
INITIAL OIL RECORD										
NATURAL FLOW										
APL GRAVITY										
INTERVAL										
NIL										
WATER RECORD										
INTERVAL										
64'										
537'										
STAT. LEV.										
20'										
300'										
FRESH SULPHUR										
CASING AND TUBING RECORD										
SIZE										
10.75"										
8.63"										
7.00"										
5.50"										
14.0H										
1560'										
LOGGING CO. GREAT GUNS										
LOGGED INTERVAL										
1'-1757'										
GPRL										
1560'-1756'										
CORING RECORD										
STORED										
CORED INTERVAL										
REC. ANAL										
NIL										
CORING RECORD										
STORED										
CORED INTERVAL										
REC. ANAL										
NIL										
FINAL RESULTS										
OIL										
NIL										
GAS										
9500 MCF/D										
PRESSURE										
870 PSIG										
PRODUCING INTVL.										
PERFORATED										
OPEN HOLE										
D.S.T. (S) ON FILE										
TREATMENT:										

CLASS: DEVE	FIELD/POOL: DAWN	STATUS/GAS AND OIL SHOW -AMN
COUNTY: LAMBERTON	TOWNSHIP: DAWN	LOT: 32 CONC: VIII
WELL NAME: RAM NO.59 DAWN 12-32-VIII	PERMIT NO.: 4575	
OPERATOR: RAMLINGS DRILLING	TOTAL DEPTH: 1965' PATD. 4575	
DRILLING CO.: RAMLINGS DRILLING	RIG TYPE: CAB ELEV. 661'± 3'	
GEOLOGIST BY: PETROLEUM RESOURCE	CO-ORDINATES: 714°N 850°W	
GEOLOGICAL CONTACTS:	LATITUDE: 42°-44'-01" N	SEQ: 1
Samples start at	LONGITUDE: 82°-06'-35" W	
Lake/Ground level	60 ft	
Dir./Lula bottom	3	661
PR1 LAMBERTON		
Kettle Point	58	
Hamilton	92	
Morecellus	341	
Dundee	416	
Lucas	670	
Amherstburg	763	
Bois Blanc	912	
Bois Blanc	912	
G unit shale	1050	
F unit carb	1072	
E unit carb	1165	
D unit carb	1313	
C unit shale	1346	
B unit shale	1372	
A2 unit carb	1619	
A1 unit carb	1749	
Guelph	1756	
Eramosa	1878	
Goat Island	1882	
AMABEL		
Gaspport		
Rochester		
Irontonquilt		
Reynolds		
Thorold		
Grimby		
Cobol Head		
Monticoulin		
Whirpool		
Queenson		
Medford-Dundas		
Collingwood		
Cobourg		
Vereium		
Kirkfield		
Cobocook		
Gull River		
Shadow Lake		
CAMBRIAN		
PRECAMBRIAN		
Total Depth Samples 1964 ft	MRC: 7	
D UNIT EQUIV 1693	REMARKS	
COLUMBUS FACIES PRESENT IN LUCAS		
D.S.T(S) ON FILE	TREATMENT:	FORMATIONS) OPEN HOLE

CLASS: NEW	FIELD/POOL: EDYS MILL	STATUS/GAS PRODUCER
COUNTY: LAMBERTON	TOWNSHIP: DAWN	LOT: 32 CONC: VIII
WELL NAME: RAM NO.30 DAWN 12-32-VIII	PERMIT NO.: 4312	
OPERATOR: RAM PETROLEUM LTD	TOTAL DEPTH: 1770' PATD. 4312	
DRILLING CO.: RAMLINGS DRILLING	RIG TYPE: CAB ELEV. 661'± 4'	
GEOLOGIST BY: PETROLEUM RESOURCE	CO-ORDINATES: 600°S 894°W	
GEOLOGICAL CONTACTS:	LATITUDE: 42°-44'-52" N	SEQ: 1
Samples start at	LONGITUDE: 82°-06'-34" W	
Lake/Ground level	63 ft	
Dir./Lula bottom	4	661
PR1 LAMBERTON		
Kettle Point	93	
Hamilton	60	
Morecellus	342	
Dundee	414	
Lucas	677	
Amherstburg	771	
Bois Blanc	894	
Bois Blanc	894	
G unit shale	1040	
F unit carb	1061	
E unit carb	1170	
D unit carb	1287	
C unit shale	1320	
B unit shale	1342	
A2 unit carb	1548	
A1 unit carb	1632	
Guelph	1636	
Eramosa	1702	
AMABEL		
Gaspport		
Rochester		
Irontonquilt		
Reynolds		
Thorold		
Grimby		
Cobol Head		
Monticoulin		
Whirpool		
Queenson		
Medford-Dundas		
Collingwood		
Cobourg		
Vereium		
Kirkfield		
Cobocook		
Gull River		
Shadow Lake		
CAMBRIAN		
PRECAMBRIAN		
Total Depth Samples 1770 ft	MRC: 7	
D UNIT EQUIV 1270	REMARKS	
COLUMBUS FACIES PRESENT IN LUCAS		
PINNACLE REEF - A1 AND GUELPH		
D.S.T(S) ON FILE	TREATMENT:	FORMATIONS) OPEN HOLES

COUNTY: LAMBTON		TOWNSHIP: DAWN		LOT: 32		CONCESSION: VIII		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: EDYS MILL		STATUS: GAS PRODUCER		TOWNSHIP: DAWN		LOT: 32 CONC: VIII	
WELL NAME: RAM NO-53 DAWN 3-32-VIII		PERMIT NO: 4333		TOTAL DEPTH: 1744'		RIG TYPE: CAB		ELEV: 6621+ 5'	
OPERATOR: RAM PETROLEUMS LTD		CO-ORDINATES: 472°E-11650°W		LATITUDE: 42-04-45 N		LONGITUDE: 82-06-46 W		SEQ: 1	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS: 60 ft		TOP		ELEV		THICK	
Samples start at		Ditch/Gravel bottom		5		662			
PRE-LAMBERTON		Kenna Point		59					
HAMILTON		Marcellus		89					
Dundee		Lucas		338					
DETROIT		Amherstburg		414					
RIVER		Bass Islands		672					
		Bass Islands		753					
		G unit shale		906					
		F unit shale		1033					
		E unit carb		1056					
		D unit shale		1162					
		C unit shale		1282					
		B unit shale		1322					
		A2 unit carb		1342					
		A1 unit carb		1350					
		Guelph		1555					
		Ecomosa		0					
		Guelph		1628					
		Guelph		1632					
		Guelph		0					
		Guelph		1704					
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COUNTY: LAMONT

TOWNSHIP: DAWN

LOT: 32

CONCESSION: 1X

YEAR: 1977

CLASS: FNM

FIELD/POOL:

TOWNSHIP: DAWN

STATUS: SALT WATER

-ABO

WELL NAME: RAM NO.58 DAWN 7-32-1X

OPERATOR: RAM PETROLEUM LTD

DRILLING CO: RAMLINS DRILLING

GEOLOGICAL BY: PETROLEUM RESOURCE

LOT: 32

CONC: 1X

PERMIT NO: 4565

PRD: 6624'

5'

TOTAL DEPTH: 1992'

RIG TYPE: CAB

ELEV: 6624'

5'

CO-ORDINATES: 350°E

350°E

LATITUDE: 42-44-55' N

LONGITUDE: 82-06-18' W

SEC: 1

CONFIDENTIAL: FEBRUARY 22, 1978

SPLDDED: SEPTEMBER 6, 1977

COMPLETED: OCTOBER 7, 1977

ABANDONED: OCTOBER 19, 1977

SPL TRAV NO.: 3912

INDEX NO: 2217

INITIAL GAS RECORD

INITIAL OIL RECORD

INITIAL FLOW

S.I. PRESSURE

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COUNTY: LAMBTON		TOWNSHIP: DAWN		LOT: 33	CONCESSION: VIIII		YEAR: 1977		CLASS: DEVEL		FIELD/POOL: EDYS MILL		STATUS: GAS AND OIL PROD		
COUNTRY: LAMBTON		TOWNSHIP: DAWN		LOT: 33	CONC: VIIII		PERMIT No.: 4505		TOTAL DEPTH: 1871'		BPTD. 1848'		660' + 4'		
WELL NAME: RAM NO. 55 DAWN 4-33-VIIII		OPERATOR: RAM PETROLEUMS LTD		DRILLING CO: RAMLINGS DRILLING		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42°45'-04" N		LONGITUDE: 82°-05'-44" W		CONFIDENTIAL: FEBRUARY 22, 1978		SPUDED: JUNE 10, 1977	
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	ABANDONED: AUGUST 23, 1977		SPL. TRAY No.: 1873		INDEX No.: 2203		INITIAL GAS RECORD		NATURAL FLOW		S.I. PRESSURE
Samples start at		60 ft			INITIAL OIL RECORD		NATURAL FLOW		S.I. PRESSURE		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Line/Ground level		4	660		INTERVAL		NATURAL FLOW		S.I. PRESSURE		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Dm/Lake bottom					INTERVAL		NATURAL FLOW		S.I. PRESSURE		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
PRI. LAMBTON		55			Lucas		415		32 MCF/D		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Kettle Point		87			Amersburg		660		43 MCF/D		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
HAMILTON					Bois Blanc		758		373 MCF/D		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Moretus					Bois Blanc		864		920 PSIG		NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Dundee					Bois Blanc		1021				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
DETROIT					Bois Blanc		1041				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
RIVER					Bois Blanc		1147				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Lucas					Bois Blanc		1263				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc		1292				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc		1331				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc		1352				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc		0				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc		1562				NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
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Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
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Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
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Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc						NATURAL FLOW		S.I. PRESSURE		S.I. PRESSURE
Bois Blanc					Bois Blanc										

COUNTY: LAMBTON		TOWNSHIP: ENNISKILLEN		LOT: 1	CONCESSION: IV		YEAR: 1977
CLASS: DEVL		FIELD/POOL: ENNISKILLEN 26		STATUS: GAS PRODUCER			
COUNTY: LAMBTON		TOWNSHIP: ENNISKILLEN		LOT: 1	CONC: IV		4412
WELL NAME: CLARKE ENNISKILLEN I-1-IV		PERMIT No: 2196		TOTAL DEPTH: 2164'		RIG TYPE: CAB	
OPERATOR: POUDEUR & HARMON		DRILLING CO: TREMBLAY DRILLING		CO-ORDINATES: 350°E, 350'W		LATITUDE: 42°48'-35' N	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LONGITUDE: 82-13-55 W		SEQ: 1	
Samples start at		80 ft		TOP		ELEV	
Lith/Gravel level		4		633		THICK	
Drift/Lake bottom		Kettle Point		77		SPUNDED:	
HAMILTON		168		ABANDONED:		JUNE 6, 1977	
Marcellus		438		SPL. TRAY No.: 3873		INDEX No. 2192	
Dundee		534		INTERVAL		INITIAL GAS RECORD	
Lucas		785		2113'		432' MCF/D	
River		961		2116'		593' MCF/D	
Bois Blanc		1053		2121'		666' MCF/D	
G unit shale		1205		2130'		851' MCF/D	
D unit shale		1310		2140'		888' MCF/D	
E unit shale		1437		2108'		70' MCF/D	
C unit shale		1490		INTERVAL		INITIAL OIL RECORD	
B unit shale		1515		NATURAL FLOW		API GRAVITY	
Saline		1761		INTERVAL		WATER RECORD	
A2 unit sand		1893		78'		STAT. LEV. FLOW	
A1 unit sand		1974		474'-480'		225'	
Guelph		2091		TYPE		FRESH SULPHUR	
Eramosa		2104		Casing and Tubing Record			
Goat Island		2146		SIZE		WEIGHT SET AT	
Gaspport				10.75d		40.5d	
Rochester				8.63d		24.0d	
Iroquois				7.00d		20.0d	
Theroid				4.50d		11.0d	
Grimsey				LOGGING CO. GREAT GUNS		LOGGED INTERVAL	
Cobol Head				1200'-2164'		GRNL	
Manitoulin				1950'-2164'		DENL	
Whirlpool				CORING RECORD			
Queaneton				CONDITION		STORED	
Medford Dundas				CORED INTERVAL		REC. AMAL	
Collingwood				NIL		REC. AMAL	
Cobourg				CORING RECORD			
Verulam				CONDITION		STORED	
Kirkfield				CORED INTERVAL		REC. AMAL	
Cobocook				NIL		REC. AMAL	
Gull River				CORING RECORD			
Shadow Lake				CONDITION		STORED	
CAMBRIAN				CORED INTERVAL		REC. AMAL	
PRECAMBRIAN				NIL		REC. AMAL	
Total Depth Samples 2156 ft		REMARKS		MCC: 7			
D UNIT EQUIV 1422		FREE SULPHUR IN LUCAS 642-652		FINAL RESULTS			
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)		GUELPH	

COUNTY: LAMBTON		TOWNSHIP: ENNISKILLEN		LOT: 27	CONCESSION: XIII		YEAR: 1977
CLASS: NEW		FIELD/POOL: ENNISKILLEN		STATUS: SALT WATER			
COUNTY: LAMBTON		TOWNSHIP: ENNISKILLEN		LOT: 27	CONC: XIII		4424
WELL NAME: RAM NO. 27 ENNISKILLEN 6-27-XIII		PERMIT No: 2220		TOTAL DEPTH: 2220'		RIG TYPE: CAB	
OPERATOR: RAM PETROLEUM LTD		DRILLING CO: RAMLINGS DRILLING		CO-ORDINATES: 1500'N, 430'E		LATITUDE: 42°54'-31' N	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LONGITUDE: 82-02-20 W		SEQ: 1	
Samples start at		58 ft		TOP		ELEV	
Lith/Gravel level		3		677		THICK	
Drift/Lake bottom		Kettle Point		58		SPUNDED:	
HAMILTON		124		ABANDONED:		SEPTEMBER 15, 1977	
Marcellus		402		SPL. TRAY No.: 3904		INDEX No. 2214	
Dundee		505		INTERVAL		INITIAL GAS RECORD	
Lucas		740		NATURAL FLOW		S.I. PRESSURE	
River		949		NATURAL FLOW		S.I. PRESSURE	
Bois Blanc		992		NATURAL FLOW		S.I. PRESSURE	
G unit shale		1143		NATURAL FLOW		S.I. PRESSURE	
F unit shale		1166		NATURAL FLOW		S.I. PRESSURE	
D unit shale		1360		NATURAL FLOW		S.I. PRESSURE	
E unit shale		1455		NATURAL FLOW		S.I. PRESSURE	
C unit shale		1505		NATURAL FLOW		S.I. PRESSURE	
B unit shale		1572		NATURAL FLOW		S.I. PRESSURE	
Saline		1825		NATURAL FLOW		S.I. PRESSURE	
A2 unit sand		1827		NATURAL FLOW		S.I. PRESSURE	
A1 unit sand		2034		NATURAL FLOW		S.I. PRESSURE	
Guelph		2166		NATURAL FLOW		S.I. PRESSURE	
Eramosa		2183		NATURAL FLOW		S.I. PRESSURE	
Goat Island		2206		NATURAL FLOW		S.I. PRESSURE	
Gaspport				NATURAL FLOW		S.I. PRESSURE	
Rochester				NATURAL FLOW		S.I. PRESSURE	
Iroquois				NATURAL FLOW		S.I. PRESSURE	
Theroid				NATURAL FLOW		S.I. PRESSURE	
Grimsey				NATURAL FLOW		S.I. PRESSURE	
Cobol Head				NATURAL FLOW		S.I. PRESSURE	
Manitoulin				NATURAL FLOW		S.I. PRESSURE	
Whirlpool				NATURAL FLOW		S.I. PRESSURE	
Queaneton				NATURAL FLOW		S.I. PRESSURE	
Medford Dundas				NATURAL FLOW		S.I. PRESSURE	
Collingwood				NATURAL FLOW		S.I. PRESSURE	
Cobourg				NATURAL FLOW		S.I. PRESSURE	
Verulam				NATURAL FLOW		S.I. PRESSURE	
Kirkfield				NATURAL FLOW		S.I. PRESSURE	
Cobocook				NATURAL FLOW		S.I. PRESSURE	
Gull River				NATURAL FLOW		S.I. PRESSURE	
Shadow Lake				NATURAL FLOW		S.I. PRESSURE	
CAMBRIAN				NATURAL FLOW		S.I. PRESSURE	
PRECAMBRIAN				NATURAL FLOW		S.I. PRESSURE	
Total Depth Samples 2220 ft		REMARKS		MCC: 7			
BFA SALT PRESENT				FINAL RESULTS			
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)		OPEN HOLE	

COUNTY: LAMBTON	TOWNSHIP: ENNISKILLEN	LOT: 30	CONCESSION: 1X	YEAR: 1977
CLASS: NEW	FIELD/POOL: ENNISKILLEN 30	STATUS: OIL PRODUCER		
WELL NAME: BLUEWATER GAS A01L	PERMIT NO.: 4516	LOT: 30 CONC: 1X		
OPERATOR: BLUEWATER GAS A01L	PATD. ELEV. 604' ± 5'			
DILLING CO: RAILINGS DRILLING	RIG TYPE: CAB			
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES: 1040° 51' 12.30" W			
GEOLOGICAL CONTACTS:	LONGITUDE: 42-01-52 N			
Samples start at 40 ft	TOP ELEV THICK			
Lake/Gravel level	5	684		
Dirt/Lake bottom				
PRET LAMBERTON				
Kettle Point	4.8			
Morcellus	102			
Dundas	363			
Lucas	442			
Amherstburg	680			
Bois Blanc	796			
Basal Islands	937			
G unit shale	1091			
F unit shale	1114			
E unit carb	1215			
D unit soil	1330			
C unit shale	1370			
B unit soil	1426			
only	1449			
carb	1682			
A2 unit soil	1820			
only	0			
A1 unit carb	1847			
evap	0			
Guelpin	1961			
Eromosa				
Geot Island				
Gaspert				
Recheater				
Indonquith				
Reynolds				
Thorold				
Grimsey				
Cobol Head				
Monticulin				
Whirpool				
Queensland				
Medford Dundas				
Collingwood				
Cobourg				
Vernum				
Kirkfield				
Cobocook				
Gull River				
Shadow Lake				
CAMBRIAN				
PRECAMBRIAN				
Total Depth Samples 1973 ft	MOQ: 7			
REMARKS				
D UNIT EQUV 1334				
OIL STAIN NOT MATCHING INITIAL OIL RECORD				
D.S.T (S) ON FILE	TREATMENT:	FORMATIONS	PERFORATED	OPEN HOLE

COUNTY: LAMBTON	TOWNSHIP: MOORE	LOT: 3	CONCESSION: XI	YEAR: 1977
CLASS: DEVEL	FIELD/POOL: MOORE	STATUS: DRY HOLE	-ABD	
WELL NAME: MCCLURE MOORE 1-3-XI	PERMIT NO.: 4547	LOT: 3 CONC: XI		
OPERATOR: TREMBLAY DRILLING	PATD. ELEV. 655' ± 4'			
DILLING CO: TREMBLAY DRILLING	RIG TYPE: CAB			
GEOLOGY BY: PETROLEUM RESOURCE	CO-ORDINATES: 40015.6401 W			
GEOLOGICAL CONTACTS:	LONGITUDE: 42-53-43 N	SEC: 1		
Samples start at 168 ft	TOP ELEV THICK			
Lake/Gravel level	4	655		
Dirt/Lake bottom				
PRET LAMBERTON				
Kettle Point	166			
Morcellus	384			
Dundas	493			
Lucas	769			
Amherstburg	879			
Bois Blanc	977			
Bas Islands	1153			
G unit shale	1176			
F unit shale	1501			
E unit carb	1590			
D unit soil	1590			
C unit shale	1636			
marked	1685			
B unit soil	1710			
only	1996			
carb	1998			
A2 unit soil	2138			
only	2233			
A1 unit carb	2238			
evap	2372			
Guelpin	2384			
Eromosa				
Geot Island	2406			
Gaspert	2432			
Recheater				
Indonquith				
Reynolds				
Thorold				
Grimsey				
Cobol Head				
Monticulin				
Whirpool				
Queensland				
Medford Dundas				
Collingwood				
Cobourg				
Vernum				
Kirkfield				
Cobocook				
Gull River				
Shadow Lake				
CAMBRIAN				
PRECAMBRIAN				
Total Depth Samples 2537 ft	MOQ: 7			
REMARKS				
FREE SULPHUR IN LUGS				
BFR SALT PRESENT				
POOR SAMPLE QUALITY				
D.S.T (S) ON FILE	TREATMENT:	FORMATIONS	PERFORATED	OPEN HOLE

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 14		CONCESSION: 111		YEAR: 1977		CLASS: NEW FIELD/POOL:		STATUS: DRY HOLE		-ARD			
WELL NAME: MERCURY MOORE 6-14-111										TOWNSHIP: MOORE		LOT: 14		CONC: 111			
OPERATOR: MERCURY PET-LTD.										PERMIT No:		4526					
DRILLING CO: TREMBLAY DRILLING										TOTAL DEPTH: 2329'		CAB		ELEV.		621' + 4'	
GEOLOGY BY: PETROLEUM RESOURCE										RIG TYPE: CAB		ELEV.					
GEOLOGICAL CONTACTS:										CO-ORDINATES: 1650'N; 495'E							
Sample interval										LATITUDE: 42-47-35 N		LONGITUDE: 82-15-29 W		SEC: 1			
Lake/Gravel level										137 ft		TOP		ELEV		THICK	
PRT LAMBTON										4		621					
Kettle Point										133							
HAMILTON										361							
Marcellus										612							
Dundee										703							
DETROIT										953							
RIVER										1057							
Boss Islands										1208							
G unit shale										1318							
F unit shale										1340							
D unit shale										1448							
C unit shale										1604							
B unit shale										1670							
only										1928							
only										1931							
only										2071							
only										2165							
only										2284							
only										2301							
Guelph										2318							
Evanston																	
Guelph Island										2318							
Gaspé																	
Recessiter																	
Hondaguait																	
Reynolds																	
Thorold																	
Grimby																	
Cobol Head																	
Monticelli																	
Whitpool																	
Queleton																	
Madison Dumas																	
Collingwood																	
Cobourg																	
Vernon																	
Kirkfield																	
Cobocott																	
Gull River																	
Shadow Lake																	
CAMBRIAN																	
PRECAMBRIAN																	
Total Depth Samples 2330 ft																	
REMARKS										MOC: 7							
D UNIT EQUIV 1558																	
OIL										NIT							
GAS										NIT							
PRESSURE																	
PRODUCING INTVL.																	
FORMATIONS										OPEN HOLE							
D.S.T(S) ON FILE																	
TREATMENT:																	

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 20	CONCESSION: XII	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: SARINIA		STATUS: GAS PRODUCER		
COUNTRY: LAMBTON		TOWNSHIP: MOORE		LOT: 20	CONC: XII	4551
WELL NAME: DOW MOORE 2-20-XII		PERMIT No.: 4551		TOTAL DEPTH: 2592' PTD		
OPERATOR: DOW CHEMICAL CO.		RIG TYPE: CAB		ELEV. 620' ± 4'		
DRILLING CO: TREMBLAY DRILLING		CO-ORDINATES: 500151, 96517		LONGITUDE: 42-54-35 N		
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 42-54-35 N		
SAMPLER: 117 ft		TOP		ELEV. 620		
Late/Ground level		4		CONFIDENTIAL: JUNE 24, 1978		
Drill/Lake bottom		118		SPUDED: SEPTEMBER 24, 1977		
PRI. LAMBTON		Kettle Point		COMPLETED: OCTOBER 26, 1977		
HAMILTON		Macedonia		ABANDONED:		
DETROIT		Dundee		SPL. TRAY No.: 3889		
RIVER		Lucas		INDEX No.: 2205		
Bois Blanc		Amherstburg		INTERVAL		
Bois Blanc		Bois Blanc		INITIAL GAS RECORD		
Bois Blanc		Bois Blanc		NATURAL FLOW		
Bois Blanc		Bois Blanc		S.I. PRESSURE		
Bois Blanc		Bois Blanc		2446'		
Bois Blanc		Bois Blanc		900 MCF/D		
Bois Blanc		Bois Blanc		14400 MCF/D		
Bois Blanc		Bois Blanc		960 PSIG		
Bois Blanc		Bois Blanc		2553'		
Bois Blanc		Bois Blanc		15000 MCF/D		
Bois Blanc		Bois Blanc		960 PSIG		
Bois Blanc		Bois Blanc		2592'		
Bois Blanc		Bois Blanc		INITIAL OIL RECORD		
Bois Blanc		Bois Blanc		NATURAL FLOW		
Bois Blanc		Bois Blanc		API GRAVITY		
Bois Blanc		Bois Blanc		2586'-2590'		
Bois Blanc		Bois Blanc		INTERVAL		
Bois Blanc		Bois Blanc		WATER RECORD		
Bois Blanc		Bois Blanc		STABLE FLOW		
Bois Blanc		Bois Blanc		TYPE		
Bois Blanc		Bois Blanc		117'		
Bois Blanc		Bois Blanc		629'-635'		
Bois Blanc		Bois Blanc		150'		
Bois Blanc		Bois Blanc		FRESH		
Bois Blanc		Bois Blanc		SULPHUR		
Bois Blanc		Bois Blanc		2409		
Bois Blanc		Bois Blanc		Casing and tubing record		
Bois Blanc		Bois Blanc		SIZE		
Bois Blanc		AMABEL	Gasparr	WEIGHT		
Bois Blanc				SET AT		
Bois Blanc		AMABEL	Rochester	HOW SET		
Bois Blanc				REC.		
Bois Blanc		AMABEL	Rochester	13.38'		
Bois Blanc				54.04		
Bois Blanc		AMABEL	Rochester	122'		
Bois Blanc				CASTING SHOE		
Bois Blanc		AMABEL	Rochester	10.75'		
Bois Blanc				40.58		
Bois Blanc		AMABEL	Rochester	4.63'		
Bois Blanc				12.83		
Bois Blanc		AMABEL	Rochester	7.00'		
Bois Blanc				20.04		
Bois Blanc		AMABEL	Rochester	2440'		
Bois Blanc				CEMENTED		
Bois Blanc		AMABEL	Rochester	LOGGING CO. GRIFFIN		
Bois Blanc				LOGGED INTERVAL		
Bois Blanc		AMABEL	Rochester	1'-2592'		
Bois Blanc				GRN		
Bois Blanc		AMABEL	Rochester	2440'-2590'		
Bois Blanc				DENL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		
Bois Blanc		AMABEL	Rochester	STORIED		
Bois Blanc				CORED INTERVAL		
Bois Blanc		AMABEL	Rochester	REC. ANAL		
Bois Blanc				NIL		
Bois Blanc		AMABEL	Rochester	CORING RECORD		
Bois Blanc				CONDITION		

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 21	CONCESSION: X	YEAR: 1977	CLASS: STORA		FIELD/POOL: SECKERTON	
WELL NAME: TEC SECK NO.19 MOORE 21-X		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509	STATUS: STORAGE WELL			
OPERATOR: TECUMSEH GAS STOR.		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
DRILLING CO.: THEMBLAI DRILLING		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
GEOLOGY BY: PETROLEUM RESOURCE		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
GEOLOGICAL CONTACTS:		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Samples start at 150 ft		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Lake/Gravel level		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
PRT LAMBTON		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Kettle Point		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Hamilton		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Devonian		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Detroit		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
River		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Lucas		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Amherburg		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Bos Blanc		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Basal beds		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Gunit shale		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
F unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
E unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
D unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
C unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
B unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
A2 unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
A1 unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Guelph		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Eromosa		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Goat Island		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Gaspot		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Recheater		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Hondanquit		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Reynolds		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Thorold		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Gimsby		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Cobol Head		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Monticlin		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Whitpool		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Queenson		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Medford Dundas		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Collingwood		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Cobourg		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Verulam		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Kirkfield		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Cobocank		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Gull River		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Shadow Lake		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Cambrian		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Precambrian		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
Total Depth Samples 2350 ft		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
REMARKS		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
D UNIT EQUIV 1707		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
BFR SALT PRESENT		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
PINNACLE REEF - A1 AND GUELPH		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
D.S.T(S) ON FILE		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
TREATMENT:		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
FORMATION(S)		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				
GUELPH		TOWNSHIP: MOORE		LOT: 21	CONC: X	4509				

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 21	CONCESSION: XII		YEAR: 1977	CLASS: NEW		FIELD/POOL: SARINIA		STATUS: GAS PRODUCER	
WELL NAME: DOW MOORE 3-21-X11		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	TOTAL DEPTH: 2471'		PERMIT: RETD		4335	
OPERATOR: DOW CHEMICAL CO.		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	RIG TYPE: CAR		ELEV		621' + 4'	
DRILLING CO.: THEMBLAI DRILLING		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CO-ORDINATES: 132°51' 200' E		ELEV		621' + 4'	
GEOLOGY BY: PLTROLEUM RESOURCE		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	LONGITUDE: 42°54'-28" W		ELEV		621' + 4'	
GEOLOGICAL CONTACTS:		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	LATITUDE: 42°23'-26" W		ELEV		621' + 4'	
Samples start at 122 ft		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CONFIDENTIAL		JUNE 24, 1978		SEC: 1	
Ditch/Gravel bottom		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	SPUNDED:		APRIL 12, 1977			
PRT LAMBTON		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	COMPLETED:		JUNE 24, 1977			
Kettle Point		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	ABANDONED:					
Hamilton		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	SPL TRAV No.: 3669		INDEX No. 2190			
Devonian		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	INITIAL GAS RECORD					
Detroit		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	INTERVAL		NATURAL FLOW		S.L. PRESSURE	
River		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	2325'		19.57 WPCF/D		940 PSIG	
Lucas		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	2315'		24.5 WPCF/D		960 PSIG	
Amherburg		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	2365'		24.5 WPCF/D		950 PSIG	
Bos Blanc		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	2415'		24.5 WPCF/D		940 PSIG	
Basal beds		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	2471'		31 WPCF/D		950 PSIG	
Gunit shale		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	INITIAL OIL RECORD					
F unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	INTERVAL		NATURAL FLOW		API GRAVITY	
E unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	NIL					
D unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	WATER RECORD					
C unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	INTERVAL		STAT. LEV		FLOW	
B unit shale		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	122°		30'		FRESH	
A2 unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	647°		200'		SULPHUR	
A1 unit carb		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CASING AND TUBING RECORD					
Guelph		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	SIZE		WEIGHT		SET AT	
Eromosa		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	10.75H		40.5H		124'	
Goat Island		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	8.65H		24.0H		520'	
Gaspot		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	7.00H		20.0H		136.7'	
Recheater		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	5.50H		14.0H		226.5'	
Hondanquit		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	LOGGING CO.: GREYAT GUNS					
Reynolds		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	LOGGING RECORD					
Thynford		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	LOGGED INTERVAL		TYPE		LOGGED INTERVAL	
Grimsby		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	1°-2471'		GPHL			
Cobol Head		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Montauquin		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CONDITION		STORED			
Whitpool		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Queenton		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Method Dunes		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Collingwood		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Cobourg		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Kirkfield		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Cobosconk		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Gull River		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Shadow Lake		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
CAMBRIAN		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
PRECAMBRIAN		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
Total Depth Samples 2457 ft		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
REMARKS		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
OIL STAIN NOT MATCHING INITIAL OIL RECORD		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
FREE SULPHUR IN LUCAS		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
FREE SALT PRESENT		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
PINNACLE REEF - A1 AND GUELPH		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
OIL		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
GAS		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
PRESSURE		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
PRODUCING INTVL: 2270'-2471'		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
PERFORATED		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					
API GRAVITY		TOWNSHIP: MOORE		LOT: 21	CONC: XII		4335	CORING RECORD					

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 23		CONCESSION: X11		YEAR: 1977	
CLASS: BRINE		FIELD/POOL: SARNIA		STATUS: BRINE WELL					
COUNTRY: LAMBTON		TOWNSHIP: MOORE		LOT: 23		CONC: X11		PERMIT NO: 4317	
WELL NAME: DOW CHEM NO. 35 MOORE 23-X11		TOTAL DEPTH: 2642'		ROD ELEV: 2465'		ROT ELEV: 626'+15'		SEC: 1	
OPERATOR: DOW CHEMICAL CO.		DRILLING CO: TREMBLAY DRILLING		CO-ORDINATES: 309315.5		ELEV: 626'+15'			
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 42-54-11 N		LONGITUDE: 82-24-15 W			
Samples sent at		200 ft		TOP		ELEV		THICK	
Live/Gravel level		15		626					
Drift/Lake bottom									
PRI LAMBTON									
Kettle Point									
HAMILTON									
Mercedia									
Dundee									
Lucas									
Amherstburg									
RIVER									
Bois Blancs									
G unit 1									
F unit 1									
E unit 1									
D unit 1									
C unit 1									
B unit 1									
A2 unit 1									
A1 unit 1									
Guelph									
Eramosa									
Goot Island									
Gaspport									
Reconiter									
Hondequilt									
Reynolds									
Thorold									
Grimsey									
Cobol Head									
Monteville									
Whirlpool									
Queensland									
Medford Dundas									
Collingwood									
Cobourg									
Verulam									
Kirkfield									
Cobocook									
Gull River									
Shadow Lake									
CAMPBRIAN									
PRECAMBRIAN									
Total Depth Samples 2643 ft									
REMARKS									
MOC: 7									
OIL									
GAS									
PRESSURE									
PRODUCING INTVL.									
PERFORATED									
OPEN HOLE									
D.S.T. (S) ON FILE									
TREATMENT:									
FORMATION(S)									

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 23		CONCESSION: XII		YEAR: 1977	
CLASS: BRINE		FIELD/POOL: SARNIA		STATUS: BRINE WELL		TOWNSHIP: MOORE		LOT: 23 CONC: XII	
COUNTRY: LAMBTON		WELL NAME: DOW CHEM NO. 35 MOORE 23-X11		TOTAL DEPTH: 2478'		ROD ELEV: 2478'		ROT ELEV: 626'+15'	
OPERATOR: DOW CHEMICAL CO.		DRILLING CO: CARUNNA PETROLEUMS		CO-ORDINATES: 309315.5		LATITUDE: 42-54-11 N		LONGITUDE: 82-24-20 W	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		SPUDDED: OCTOBER 8, 1978		COMPLETED: SEPTEMBER 29, 1977		ABANDONED: OCTOBER 8, 1977	
Samples sent at		199 ft		TOP		ELEV		THICK	
Live/Gravel level		15		626					
Drift/Lake bottom									
PRI LAMBTON									
Kettle Point		192		290					
HAMILTON									
Mercedia		570		675					
Dundee		675		950					
Lucas		1144		1144					
Amherstburg									
RIVER									
Bois Blancs									
G unit 1		1370		1370					
F unit 1		1392		1392					
E unit 1		1744		1830					
D unit 1		1830		1830					
C unit 1		1830		1910					
B unit 1		1932		1932					
A2 unit 1		2214		2365					
A1 unit 1		2365		2365					
Guelph									
Eramosa									
Goot Island									
Gaspport									
Hondequilt									
Reynolds									
Thorold									
Grimby									
Cobol Head									
Whirlpool									
Queensland									
Medford Dundas									
Collingwood									
Cobourg									
Verulam									
Kirkfield									
Cobocook									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 2470 ft		MOC: 7							
REMARKS									
OIL		NIT							
PRESSURE		NIT							
PRODUCING INTVL.									
PERFORATED		OPEN HOLE							
FINAL RESULTS									
DST(S) ON FILE									
TREATMENT:									

COUNTY: LAMBTON		TOWNSHIP: MOORE		LOT: 23		CONCESSION: X 11		YEAR: 1977	
CLASS: NEW		FIELD/POOL: MOORE		STATUS: GAS PRODUCER		TOWNSHIP: MOORE		LOT: 23 CONC: X11	
WELL NAME: DOW MOORE 1-23-X11		PERMIT No: 4564		TOTAL DEPTH: 2504'		CAB ELEV: 616+ 4'			
OPERATOR: DOW CHEMICAL CO.		RIG TYPE: CAB		CO-ORDINATES: 500°E, 100°W		LATITUDE: 42-54-37 N		SEQ: 1	
DRILLING CO: TREMBLAY DRILLING		LONGITUDE: 82-23-58 W		CONFIDENTIAL: NOVEMBER 30, 1978		SPUNDED: SEPTEMBER 7, 1977		ABANDONED: NOVEMBER 30, 1977	
GEOLOGY BY: PETROLEUM RESOURCE		TOP ELEV: 616		THICK: 616		SP. TRAY No: 3892		INDEX No: 2206	
GEOLOGICAL CONTACTS:		CONFIDENTIAL: NOVEMBER 30, 1978		SPUNDED: SEPTEMBER 7, 1977		ABANDONED: NOVEMBER 30, 1977			
Samples start at		SP. TRAY No: 3892		INDEX No: 2206					
Core/Gravel level		INITIAL GAS RECORD		S.I. PRESSURE					
Drill/Lane bottom		INTERVAL		NATURAL FLOW					
PRI LAMBTON		Kettle Point		532					
HAMILTON		Marcellus		532					
Dundee		Lucas		637					
DETROIT		Amesbury		937					
RIVER		Boss Blanc		993					
Boss Islands		G unit shale		1150					
F unit shale		E unit shale		1318					
D unit shale		C unit shale		1330					
B unit shale		A-1 unit shale		1901					
Guelph		Eromosa		2259					
Guelph		Guelph		2259					
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COUNTY: LINCOLN		TOWNSHIP: GAINSBOROUGH		LOT: 15	CONCESSION: 11	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: LINCOLN	STATUS: GAS PRODUCER
WELL NAME: G-FRÉRE NO.1		TOWNSHIP: GAINSBOROUGH		LOT: 15	CONC: 11	4416	PERMIT NO: 515		4416
OPERATOR: MELLANDPORT GAS SY		TOTAL DEPTH: 515'		RIG TYPE: CAB		ELEV. 584' ± 2'	LATITUDE: 43°-01'-02" N		SEQ. 1
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 247°N: 400'E		LONGITUDE: 79°-28'-54" W			COMPLETED: APRIL 25, 1977		
GEOLOGICAL CONTACTS: 91 ft		TOP		ELEV		THICK	SPL. TRAY NO: 2857		INDEX NO. 18
Samples sent at		Date/Ground level		Drift/Lake bottom		2	SPUNDED: ABANDONED.		
PRT LAMBTON		Kettie Point		Marcellus			SPL. TRAY NO: 2857		INDEX NO. 18
HAMILTON		Dundas		Lucas			INTERVAL		INITIAL GAS RECORD
DETROIT RIVER		Amherstburg		Bass Islands			INTERVAL		NATURAL FLOW
		G unit 3000'		F unit 3000'			INTERVAL		INITIAL OIL RECORD
		E unit 3000'		D unit 3000'			INTERVAL		NATURAL FLOW
		C unit 3000'		B unit 3000'			INTERVAL		API GRAVITY
		A-1 unit 3000'		A-2 unit 3000'			INTERVAL		WATER RECORD
		Guelph		Eramosa			INTERVAL		ST. LEV. FLOW
		Geot Island		Recreiter			INTERVAL		TYPE
		Gaspot		Iroquois			INTERVAL		FRESH SULPHUR
		Amabel		Reynolds			INTERVAL		REV.
		Thorold		Grimaby			INTERVAL		LOGGING RECORD
		Cataract		Monticoulin			INTERVAL		LOGGED INTERVAL
		Queensston		Medford Dundas			INTERVAL		TYPE
		Collingwood		Verulam			INTERVAL		LOGGING RECORD
		Trenton		Kirkfield			INTERVAL		LOGGED INTERVAL
		Black River		Gull River			INTERVAL		TYPE
		Shadow Lake					INTERVAL		LOGGING RECORD
							INTERVAL		LOGGED INTERVAL
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COUNTY: MIDDLESEX		TOWNSHIP: MCGILLIVRAY		LOT: 5	CONCESSION: XIX		YEAR: 1977		CLASS: NFW	FIELD/POOL:	STATUS: DRY HOLE	-ABD
WELL NAME: MAMSON NO. 1 MCGILLIVRAY 3-5-XIX		LOT: 5		CONC: XIX	PERMIT NO: 4411	TOTAL DEPTH: 1653'		P8TD	4411			
OPERATOR: CRITCHFIELD, G. F.		RIG TYPE: CAB		ELEV. 715' ±	2'	CO-ORDINATES: 641°N, 1312°E		LATITUDE: 43-14-03 N				
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	LONGITUDE: 81-38-41 W		SEQ: 1			
Samples start of		102 ft		2		715		CONFIDENTIAL: JULY 28, 1978				
Drift/Lane bottom		PRT LAMBERTON		Kettle Point		SPUDED: MAY 4, 1977		COMPLETED: JULY 28, 1977				
HAMILTON		Marcellus		Dundee		ABANDONED: AUGUST 9, 1977		SPL. TRAY No.: 2716				
DETROIT		Lucas		Bois Blanc		SPL. TRAY No.: 2716		INDEX No. 453				
RIVER		Bois Blanc		Bois Blanc		INTERVAL		INITIAL GAS RECORD				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
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		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc		Bois Blanc		INTERVAL		S.I. PRESSURE				
		Bois Blanc		Bois Blanc		INTERVAL		NATURAL FLOW				
		Bois Blanc										

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 7	CONCESSION: 11	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER		
COUNTRY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 7	CONC: 11	
WELL NAME: METALORE NO. 51 CHARLOTTEVILLE		PERMIT NO: 4490		TOTAL DEPTH: 1360' PBD: 1318'		
OPERATOR: NEW METALORE MIN.		RIG TYPE: CAB		ELEV. 721' ± 0'		
DRILLING CO.: MITCHELL, ELGIN		CO-ORDINATES: 1551°E, 5881'W				
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-42-47 N		SEQ. 1		
GEOLOGICAL CONTACTS:		TOP	ELEV. THICK.			
Samples start at		212 ft				
Lake/Gravel level		0	721			
Drift/Lake bottom						
PRI. LAMBERTON						
Kettle Point						
HAMILTON						
Morcellus		245				
Dundee		350				
Lucas		385				
Amherburg		430				
Bois Blanc		540				
Boss Islands		585				
G unit shale		627				
F unit shale		640				
E unit carb		720				
D unit soil						
C unit shale		800				
B unit soil						
A2 unit soil		890				
A1 unit carb		940				
Guelph		960				
Eramosa						
Goat Island						
Gaspot		1180				
Rochester		1239				
Hondequilt		1241				
Theroid		1249				
Grimby		1281				
Cobol Head		1347				
Monticoulin		1354				
Whitpool		1358				
Queensland						
Medford Dundas						
Collingwood						
Cobourg						
Varulium						
Kirkfield						
Cobocook						
Gull River						
Shadow Lake						
CATABACT						
Logging CO:						
LOGGED INTERVAL		TYPE	LOGGED INTERVAL	TYPE		
NITL						
CORING RECORD						
CONDITION		STORED				
CORED INTERVAL		REC. ANAL	CORED INTERVAL	REC. ANAL		
NITL						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples 1360 ft						
REMARKS						
MCC: 7						
FINAL RESULTS						
OIL		NITL				
GAS		51 MCF/D				
PRESSURE		420 PSIG				
PRODUCING INTVL.		1252'-1255'				
PERFORATED		OPEN HOLE YES				
FORMATIONS		GP1458Y				
D.S.T(S) ON FILE						
TREATMENT: CONF						

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 7	CONCESSION: V	YEAR: 1977
CLASS: DEEPE		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER		
COUNTRY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 7	CONC: V	
WELL NAME: NEW METALORE 30 CHARLOTTEVILLE		PERMIT NO: 4574		TOTAL DEPTH: 1365' PBD: 1365'		
OPERATOR: NEW METALORE MIN.		RIG TYPE: CAB		ELEV. 752' ± 2'		
DRILLING CO.: MITCHELL, ELGIN		CO-ORDINATES: 578°N, 545°E				
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-44-19 N		SEQ. 2		
GEOLOGICAL CONTACTS:		TOP	ELEV. THICK.			
Samples start at		250 ft				
Lake/Gravel level		2	752			
Drift/Lake bottom						
PRI. LAMBERTON						
Kettle Point						
HAMILTON						
Morcellus		250				
Dundee		360				
Lucas		489				
Amherburg		502				
Bois Blanc		550				
Boss Islands		602				
G unit shale		627				
F unit shale		627				
E unit carb		720				
D unit soil						
C unit shale		823				
B unit soil		867				
A2 unit soil		892				
A1 unit carb		948				
Guelph		960				
Eramosa						
Goat Island		986				
Gaspot		1172				
Rochester		1185				
Hondequilt		1235				
Theroid		1242				
Grimby		1250				
Cobol Head		1260				
Monticoulin		1340				
Whitpool		1358				
Queensland		1366				
Medford Dundas						
Collingwood						
Cobourg						
Varulium						
Kirkfield						
Cobocook						
Gull River						
Shadow Lake						
CATABACT						
Logging CO:						
LOGGED INTERVAL		TYPE	LOGGED INTERVAL	TYPE		
NITL						
CORING RECORD						
CONDITION		STORED				
CORED INTERVAL		REC. ANAL	CORED INTERVAL	REC. ANAL		
NITL						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples 1367 ft						
REMARKS						
MCC: 6						
FINAL RESULTS						
OIL		NITL				
GAS		200 MCF/D				
PRESSURE		640 PSIG				
PRODUCING INTVL.		1251'-1267'				
PERFORATED		OPEN HOLES YES				
FORMATIONS		THOROLD				
D.S.T(S) ON FILE						
TREATMENT: CONF						

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 8	CONCESSION: A	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: GAS PRODUCER									
WELL NAME: METALORE NO. 49 CHARLOTTEVILLE 378-A		TOWNSHIP: CHARLOTTEVILLE		LOT: 8	CONC: A	PERMIT NO.: 4415												
OPERATOR: NEW METALORE MIN.		TOTAL DEPTH: 1263'		RIG TYPE: CAR		DATE: APRIL 19, 1977												
DRILLING CO: MITCHELL, ELGIN		CO-ORDINATES: 1382°E, 396°E		RIG TYPE: CAR		ELEV: 6964 ± 0'												
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 42-41-35 N		SEQ: 1												
Samples start at 264 ft		TOP	ELEV	THICK														
Lake/Gravel level		0	696															
Drill/Lane bottom																		
Kettle Point																		
HAMILTON																		
Morcellus																		
Dundee		264																
Lucas																		
Amherstburg		360																
Bois Blanc		460																
Bois Blanc		553																
Bois Blanc																		
G unit shale																		
F unit shale		640																
E unit shale		760																
D unit shale																		
C unit shale		840																
B unit shale																		
A-2 unit shale		910																
A-1 unit shale		930																
A-1 unit shale		958																
Guelph																		
Goat Island		1065																
Gaspard		1100																
Rochester		1161																
Iroquois		1236																
Reynolds		1244																
Thorold		1249																
Grimsey																		
Cobol Head		1255																
Whitpool																		
Queenslon																		
Medford Dundas																		
Collingwood																		
Cobourg																		
Verulam																		
Kirkfield																		
Cobocook																		
Gull River																		
Shadow Lake																		
CAMBRIAN																		
PRECAMBRIAN																		
Total Depth Samples 1263 ft		MGC: 7																
REMARKS																		
3 UNIT EQUIV 880 SPRINGVALE AT BASE OF BOIS BLANC																		
D.S.T (S) ON FILE		TREATMENT: CONF		FORMATIONS(S)		GIMINSKY												

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 9	CONCESSION: 11		YEAR: 1977		CLASS: DEEPE	FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER	
WELL NAME: NEW METALORE 25 CHARLOTTEVILLE 2-9-11		TOWNSHIP: CHARLOTTEVILLE		LOT: 9	CONC: 11		PERMIT NO.: 4559						
OPERATOR: NEW METALORE MIN.		TOTAL DEPTH: 1348'		RIG TYPE: CAR		DATE: AUGUST 16, 1977							
DRILLING CO: MITCHELL ELGIN		CO-ORDINATES: 6503°E, 623°E		RIG TYPE: CAR		ELEV: 731' ± 2'							
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 42-43-10 W		SEQ: 2							
Samples start at 243 ft		TOP	ELEV	THICK									
Lake/Gravel level			731										
Drill/Lane bottom													
Kettle Point													
HAMILTON													
Morcellus													
Dundee		243											
Lucas													
Amherstburg		335											
Bois Blanc		472											
Bois Blanc		525											
Bois Blanc													
G unit shale													
F unit shale													
E unit shale													
D unit shale													
C unit shale													
B unit shale													
A-2 unit shale													
A-1 unit shale													
Guelph													
Eatonville		942											
Goat Island		992											
Gaspard													
Rochester		1164											
Iroquois		1260											
Reynolds													
Thorold		1246											
Grimsey		1263											
Cobol Head													
Whitpool		1332											
Medford Dundas		1342											
Collingwood		1345											
Cobourg													
Verulam													
Kirkfield													
Cobocook													
Gull River													
Shadow Lake													
CAMBRIAN													
PRECAMBRIAN													
Total Depth Samples 1348 ft		MGC: 6											
REMARKS													
10-63H 55.0H 243' CASING SHOE 243'													
8-63H 32.0H 266'													
4-50H 1234' CEMENTED													
75H 1348'													
LOGGING CO:													
LOGGED INTERVAL		TYPE	LOGGED INTERVAL	TYPE									
NIL													
CORING RECORD													
STORED													
CORED INTERVAL		REC	ANAL	CORED INTERVAL	REC	ANAL							
NIL													
FINAL RESULTS													
OIL													
NIL													
GAS													
PRESSURE													
PRODUCING INTVL: 1246'±-1263'													
PERFORATED													
OPEN HOLES/YES													
THOROLD													

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 9	CONCESSION: IV	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: GAS PRODUCER
WELL NAME: ROBERTS NO. 45 CHARLOTTEVILLE 3-9-IV		TOWNSHIP: CHARLOTTEVILLE		LOT: 9	CONC: IV	PERMIT NO: 4571			
OPERATOR: ROBERTS, CARL H.		TOTAL DEPTH: 1263'		RIG TYPE: CAB		ELEV: 764'±			
DRILLING CO: MITCHELL, ELGIN		CO-ORDINATES: 1541°51' 606'E		LATITUDE: 42-44-18 W		LONGITUDE: 80-24-04 N			
GEOLOGICAL CONTACTS:		235 ft		TOP	ELEV	THICK			
Samples start at		Lith/Gravel level		2		764			
PRT LAMTON		Kettle Point							
HAMILTON		Meruelus							
DEVIATION		Dundee		255					
DETROIT		Lucas		340					
RIVER		Amherstburg		400					
Bois Blanc		340		400					
Boss Islands		530		530					
G unit shale		621		621					
F unit shale		640		640					
D unit shale		720		720					
C unit shale		810		810					
B unit shale		860		860					
A-2 unit only		893		893					
A-1 unit exp		942		942					
Guelph		1000		1000					
Goat Island		1095		1095					
Goosport		1160		1160					
Rochester		1210		1210					
Iroquois		1225		1225					
Thorold		1231		1231					
Grimsey									
Cobol Head									
Monticoulin									
Whirlpool									
Queenson									
Medford-Dundas									
Collingwood									
Cobourg									
Trenton									
Verulam									
Kirkfield									
Cobocook									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1263 ft		MGC: 7							
REMARKS		OIL		NIL					
D UNIT EQUIV 798 B UNIT EQUIV 842		GAS		66 MCF/D					
SPRINGVALE AT BASE OF BOIS BLANC		PRESSURE		390 PSIG					
PRODUCING INTVL: 1227'-1250'		PERFORATED		OPEN HOLES YES					
D.S.T (S) ON FILE		TREATMENT: THOROLD		FORMATIONS: GRIMSEY					

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 11	CONCESSION: II		YEAR: 1977		CLASS: DEVEL	FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER	
COUNTRY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 11	CONC: II		PERMIT NO: 4406						
WELL NAME: METALORE NO. 48 CHARLOTTEVILLE 2-11-IV		TOTAL DEPTH: 1321'		RIG TYPE: CAB		PAID: 1250'							
OPERATOR: NEW METALORE MIN.		CO-ORDINATES: 952°5' 350'E		ELEV: 735'±		0°							
DRILLING CO: MITCHELL, ELGIN		LONGITUDE: 42-43-26 N		LATITUDE: 80-22-24 W		SEQ: 1							
GEOLOGICAL CONTACTS: 228 ft		TOP		ELEV		THICK							
Samples start at 228 ft		0		735									
Lith/Gravel bottom													
PRT LAMTON													
HAMILTON		Mercurius											
Dundas		228											
Lucas		280											
Aberdunburg		326											
Bois Blanc		400											
Boss Islands		523											
G unit shale		600											
F unit shale		630											
E unit shale		712											
D unit shale		843											
C unit shale		880											
B unit shale		920											
A-2 unit only		941											
A-1 unit exp		963											
Guelph		1060											
Eramosa		1161											
Goat Island		1212											
AMABEL		1222											
Iroquois		1226											
Raybould		1246											
Thorold		1308											
Cataract		1310											
Grimby		1310											
Cobol Head													
Monticoulin													
Whirlpool													
Queenson													
Medford-Dundas													
Collingwood													
Cobourg													
Verulam													
Kirkfield													
Trenton													
BLACK													
Cobocook													
Gull River													
Shadow Lake													
CAMBRIAN													
PRECAMBRIAN													
Total Depth Samples 1321 ft		MGC: 7											
REMARKS													
DE CEV 1190													
SPRINGVALE AT BASE OF BOIS BLANC													
OIL		NIL											
GAS		45 MCF/D											
PRESSURE		510 PSIG											
PRODUCING INTVL: 1230'-1244'													
1317'-1321'													
PERFORATED		OPEN HOLES YES											
FORMATION(S)		GRANITE											
TREATMENT: CONF													

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 16	CONCESSION: IX	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: GAS PRODUCER
WELL NAME: CRAVEN UNION CHARLOTTEVILLE 3-16-IX							TOWNSHIP: CHARLOTTEVILLE	LOT: 16	CONC: IX
OPERATOR: CRAVEN OIL COMPANY							PERMIT NO.: 4512		
DRILLING CO: MITCHELL, ELGIN							TOTAL DEPTH: 1261' PBD: 1150'		
GEOLOGY BY: PETROLEUM RESOURCE							RIG TYPE: CAB ELEV. 765'±		
GEOLOGICAL CONTACTS:							CO-ORDINATES: 1825°± 584°E		
Samples start at: 220 ft							TOP	ELEV	THICK
Litho/Strat level							2	765	
Prt. LAMBERTON									
Kettle Point									
HAMILTON									
Marcellus									
Dundas									
Lucas							218		
Detroit							360		
River							417		
Bois Blanc							473		
Bois Blanc							490		
G unit shale							490		
F unit shale							584		
D unit shale							650		
C unit shale							720		
B unit shale							763		
A-2 unit shale							782		
A-1 unit shale							823		
Guelph							981		
Eramosa							1014		
Gast Island							1058		
AMABEL							1118		
Rochester							1128		
Indequoit							1133		
Thorold							1150		
Grimaby							1232		
Cobol Head							1240		
CATARACT									
Merthoulin									
Whirlpool									
Queerston									
Metford Dundas									
Collingwood									
Trenton									
Verulam									
Kirkfield									
Cobocook									
BLACK Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1261 ft							MOC: 7		
REMARKS									
D UNIT EQUIV 672 B UNIT EQUIV 737									
D.S.T (S) ON FILE									
TREATMENT: CONF									
FORMATIONS: OPEN HOLES									
RT/TALES									
FINAL RESULTS									
OIL									
GAS									
PRESSURE 530 PSIG									
PRODUCING INTVL. 1123'-1150'									
PERFORATED									
OPEN HOLES									
RT/TALES									

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 17	CONCESSION: VIII		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER		TREATMENT: CONF		
WELL NAME: CRAVEN OIL COMPANY		TOWNSHIP: CHARLOTTEVILLE		LOT: 17		CONC: VIII		PERMIT NO: 4521
DRILLING CO: MITCHELL, ELGIN		TOTAL DEPTH: 1270'		PBD: 1161'		771'± 3'		
GEOLOGICAL CONTACTS: PETROLEUM RESOURCE		RIG TYPE: CAB		ELEV. 771'±				
CO-ORDINATES: 1507'± 506' W		LATITUDE: 42-48-07" N		LONGITUDE: 80-22-41" W		SEQ: 1		
SAMPLES START AT: 210 ft		TOP ELEV THICK:		CONFIDENTIAL: SEPTEMBER 11, 1977		SPUNDED: JULY 14, 1977		
Late/Grand level		3		771		COMPLETED: AUGUST 11, 1977		
Duff/Lake bottom						ABANDONED:		
PRT LAMBERTON						SPL. TRAY NO: 2637		
Kettle Point						INDEX NO: 774		
HAMILTON						INITIAL GAS RECORD		
Morcellus		208				INITIAL OIL RECORD		
Dundas						INTERVAL		
Lucas		326		1140'-1142'		NATURAL FLOW		
Amherburg		359		1142'-1146'		16 MCF/D		
Bois Blanc		418		1146'-1149'		21 MCF/D		
Bois Blanc		482				540 PSIG		
G unit shale		502						
F unit shale		598						
D unit soil		697						
C unit shale		732						
B unit soil		776						
A-1 unit soil		844						
Eramosa		955						
Gast Island		998						
AMABEL		1066						
Rochester		1126						
Indequoit		1131						
Royales		1140						
Thorold		1162						
Grimaby		1190						
Cobol Head		1240						
CATARACT								
Whirlpool								
Queerston		1148						
Metford Dundas								
Collingwood								
Trenton								
Verulam								
Kirkfield								
Cobocook								
BLACK RIVER								
Gull River								
Shadow Lake								
CAMBRIAN								
PRECAMBRIAN								
Total Depth Samples 1270 ft		MOC: 7						
D UNIT EQUIV 660		REMARKS						
D.S.T (S) ON FILE		TREATMENT: CONF						

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 19	CONCESSION: X	YEAR: 1977		
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER				
COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 19	CONC: X			
WELL NAME: CRAVEN CHARLOTTEVILLE 4-19-X		PERMIT No: 4706						
OPERATOR: CRAVEN OIL COMPANY		TOTAL DEPTH: 1221'		POT. ELEV. 760'± 2'				
DRILLING CO: MITCHELL, ELGIN		RIG TYPE: CAR		ELEV. 754'± 1'				
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 420°N 510°E						
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK				
Samples start at		210 ft						
Lake/ground level			760					
Dip/Lake bottom			2					
PRT LAMBERTON								
Kettle Point								
Hamilton								
Marcellus								
Dundee		180						
Lucas		0						
Amherstburg		283						
Bois Blanc		322						
Bois Blanc		374						
Bois Blanc		428						
G unit shale		447						
F unit shale		537						
D unit soil		0						
C unit shale		639						
B unit soil		656						
A2 unit soil		705						
A1 unit soil		769						
A1 unit evap		783						
Eromoso								
Gait Island		978						
Gaspot		1028						
Rochester		1087						
Hondasquitt		1092						
Fenoyles		1094						
Thorold		1105						
Grimsby		1119						
Cobol Head		1172						
Maitoulin		1198						
Whirpool		1208						
Queenson								
Metford-Dundas								
Collingwood								
Cobourg								
Verulam								
Kirkfield								
Cobocock								
Gull River								
Shadow Lake								
CAMBRIAN								
PRECAMBRIAN								
Total Depth Samples 1220 ft								
REMARKS								
D UNIT EQUIV 620 B UNIT EQUIV 675								
D.S.T(S) ON FILE								
TREATMENT:								
FORMATIONS								
GPMINSY								

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 20	CONCESSION: IX	YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 20	CONC: IX		
WELL NAME: CRAVEN CHARLOTTEVILLE 1-20-IX		PERMIT No: 4515		TOTAL DEPTH: 1226'		POT. ELEV. 1110'	
OPERATOR: CRAVEN OIL COMPANY		RIG TYPE: CAR		ELEV. 754'± 1'			
DRILLING CO: MITCHELL, ELGIN		CO-ORDINATES: 543°S 442°W					
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-49-36 N				LONGITUDE: 80-22-15 W	
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	SECT: 1		
Samples start of		180 ft					
Dip/Lake level			1	754			
Dip/Lake bottom							
PRT LAMBERTON							
Kettle Point							
Hamilton							
Marcellus							
Dundee							
Lucas		175					
Amherstburg		281					
Bois Blanc		345					
Bois Blanc		395					
G unit shale		411					
F unit shale		504					
E unit carb		605					
D unit soil		624					
C unit shale		658					
B unit soil		714					
A2 unit soil		730					
A1 unit carb							
A1 unit evap							
Guelph							
Eromoso							
Gait Island		967					
Gaspot		981					
Rochester		1015					
Hondasquitt		1074					
Fenoyles		1081					
Thorold		1100					
Grimsby		1143					
Cobol Head							
Maitoulin		1187					
Whirpool		1197					
Queenson							
Metford-Dundas							
Collingwood							
Cobourg							
Verulam							
Kirkfield							
Cobocock							
Gull River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples 1225 ft							
REMARKS							
D UNIT EQUIV 568 B UNIT EQUIV 642							
D.S.T(S) ON FILE							
TREATMENT: CONF							
FORMATIONS							
RETNALES							

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 21	CONCESSION: III	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: GAS SHOW	-ARD
WELL NAME: METALORE NO. 52		TOWNSHIP: CHARLOTTEVILLE		LOT: 721-III	PERMIT NO.: 4508	TOTAL DEPTH: 1310'		RIG TYPE: CAR	ELEV. 820'	727'± 2'
OPERATOR: MITCHELL, ELGIN		DRILLING CO.: MITCHELL, ELGIN		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 875°N; 750°E		LONGITUDE: 42-45-18 N		SEQ: 1
GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	SPL. TRAY NO.: 3302		INDEX NO.	ABANDONED: JANUARY 25, 1978		
Samples start at		224 ft			CONFIDENTIAL: DECEMBER 4, 1977			SPUDED: SEPTEMBER 23, 1977		
Lake/Ground level			727		COMPLETED: NOVEMBER 4, 1977			ABANDONED: JANUARY 25, 1978		
Ditch/Lake bottom			2		SPL. TRAY NO.: 3302			INDEX NO.		800
PRI LAMBERTON		Kettle Point			INITIAL GAS RECORD			INITIAL OIL RECORD		
HAMILTON		Marcellus	224		INTERVAL		NATURAL FLOW	S.I. PRESSURE		
DETROIT		Lucas	298		1195'-1196'		11.5 MCF/D	120 PSIG		
RIVER		Amherstburg	330		1302'		0.9 MCF/D			
		Bois Blanc	437		1307'		0.9 MCF/D			
		Bois Blanc	482							
		G unit shale	548							
		F unit shale	580							
		E unit cor'd	680							
		D unit soil								
		C unit shale	770							
		B unit soil								
		A2 unit cor'd	853							
		A1 unit cor'd								
		Guelph	904							
		Eramosa								
		Guelph Island								
		Gaspot								
		Rochester	1114							
		Indonduquoit	1178							
		Reynolds	1182							
		Thorold	1188							
		Grimsby	1192							
		Cobol Head	1225							
		Montisquin	1277							
		Whitpool	1291							
		Queenston	1309							
		Medford Dundas								
		Collingwood								
		Cobourg								
		Verulam								
		Kirkfield								
		Coburn								
		Black River								
		Shadow Lake								
CAMBRIAN										
PRECAMBRIAN										
Total Depth Samples 1303 ft										
REMARKS		MGC: 7								
SPRINGVALE AT BASE OF BOIS BLANC										
POOR AGREEMENT BETWEEN LOG AND SAMPLES										
D.S.T(S) ON FILE										
TREATMENT:										
PERFORATED		OPEN HOLESYES								

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 21	CONCESSION: VIII	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: GAS PRODUCER
WELL NAME: CHAVEN CHARLOTTEVILLE 3-21-VIII		TOWNSHIP: CHARLOTTEVILLE		LOT: 21	CONC: VIII	PERMIT NO: 4511	TOTAL DEPTH: 1220'		RIG TYPE: ROT
OPERATOR: MITCHELL, ELGIN		DRILLING CO: MITCHELL, ELGIN		CO-ORDINATES: 1572°E: 435'E		LATITUDE: 42-44-54' N		LONGITUDE: 80-21-28' W	
GEOLOGICAL CONTACTS:		TOP		ELEV		THICK		SEQ: 1	
Samples start at		190 ft		762		CONFIDENTIAL: AUGUST 5, 1977		SPUNDED: JUNE 16, 1977	
Drift/Lake bottom		1		ABANDONED: JULY 5, 1977		SPL. TRAY No.: 252A		INDEX No. 756	
PRI LAMBERTON		Kenne Point		SPL. TRAY No.: 252A		INDEX No. 756		S.I. PRESSURE	
HAMILTON		Marcellus		INTERVAL		INITIAL GAS RECORD		NATURAL FLOW	
DETROIT		Lucas		1087'-1091'		14 MCF/D		115 MCF/D	
RIVER		Amherstburg		1091'-1095'		13 MCF/D		1095'-1098'	
		Bois Blanc		387		G unit 240' 4.37		F unit 240' 4.53	
		Bois Blanc		387		E unit 240' 5.26		D unit 240' 6.39	
		Bois Blanc		387		C unit 240' 6.72		B unit 240' 7.20	
		Bois Blanc		387		A1 unit 240' 7.67		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	
		Bois Blanc		387		A1 unit 240' 7.84		A2 unit 240' 7.84	

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 22	CONCESSION: VII	YEAR: 1977			
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER					
WELL NAME: CRAVEN UNION CHARLOTTEVILLE R-22-VII		TOWNSHIP: CHARLOTTEVILLE		LOT: 22	CONC: VII				
OPERATOR: CHAVEN OIL COMPANY		TOTAL DEPTH: 1260'		PERMIT NO: 4517					
DRILLING CO: MITCHELL, ELGIN		RIG TYPE: CAB		ELEV. 7741+ 2'					
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 547°N: 599°W							
GEOLOGICAL CONTACTS:		LATITUDE: 42°48'-07" N		LONGITUDE: 80°20'-08" W		SEQ: 1			
Samples start at		210 ft	TOP	ELEV	THICK				
Lime/Ground level									
Dirt/Lake bottom									
PRI LAMBERT									
Kettle Point									
HAMILTON									
Marcellus									
Dundee									
Lucas									
Amherstburg									
Bois Blanc									
Base Islands									
G unit shale									
F unit shale									
E unit carb									
D unit carb									
C unit shale									
B unit shale									
A2 unit carb									
A1 unit carb									
Guelph									
Eramosa									
Goat Island									
Gasport									
Rochester									
Iondago									
Reynolds									
Thorold									
Grimaby									
Cobol Head									
Montiquin									
Whirlpool									
Queenton									
Madford Dundas									
Collingwood									
Cobourg									
Trenton									
Kirkfield									
Gobeconk									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples		1249 ft	MQC: 7						
REMARKS		D UNIT EQUIV 676 B UNIT EQUIV 730							
GOAT ISLAND EQUALS WARTON									
D.S.T (S) ON FILE		TREATMENT: GULFVSTON		OPEN HOLE YES					
		FORMATIONS) 6P-1MSHY							

COUNTY: NORFOLK		TOWNSHIP: CHARLOTTEVILLE		LOT: 22	CONCESSION: IX	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER		
WELL NAME: CRAVEN CHARLOTTEVILLE 3-22-IX		TOWNSHIP: CHARLOTTEVILLE		LOT: 22	CONC: IX	
OPERATOR: CHAVEN OIL COMPANY		TOTAL DEPTH: 1177'		PERMIT NO: 4523		
DRILLING CO: MITCHELL, ELGIN		RIG TYPE: CAB		ELEV. 7271+ 1'		
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 1507°S: 550°E				
GEOLOGICAL CONTACTS:		LATITUDE: 42°49'-48" N		LONGITUDE: 80°21'-25" W		
Samples start at		150 ft	TOP	ELEV	THICK	SEQ: 1
Lime/Ground level						
Dirt/Lake bottom						
Kettle Point						
PRI LAMBERT						
HAMILTON						
Marcellus						
Dundee						
Lucas						
Amherstburg						
Bois Blanc						
Base Islands						
G unit shale						
F unit shale						
E unit carb						
D unit carb						
C unit shale						
B unit shale						
A2 unit carb						
A1 unit carb						
Guelph						
Eramosa						
Goat Island						
Gasport						
Rochester						
Iondago						
Reynolds						
Thorold						
Grimby						
Cobol Head						
Montiquin						
Whirlpool						
Queenton						
Madford Dundas						
Collingwood						
Cobourg						
Trenton						
Kirkfield						
Cobocook						
Gull River						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples 1177 ft		MQC: 7				
REMARKS		D UNIT EQUIV 525 B UNIT EQUIV 578 DE CEW				
60AT ISLAND EQUALS WARTON						
POOR AGREEMENT BETWEEN LOG AND SAMPLES						
D.S.T (S) ON FILE		TREATMENT: CONF		OPEN HOLE YES		
		FORMATIONS)		8P-1MSHY		

COUNTY: NORFOLK		TOWNSHIP: HOUGHTON		SECTION: 1		CONCESSION: III		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: HEMLOCK		TOWNSHIP: HOUGHTON		STATUS: GAS PRODUCER		LOT: 1 CONC: III	
WELL NAME: HEMLOCK NO.4 HOUGHTON 2-1-111		PERMIT NO: 4491		TOTAL DEPTH: 1450'		RIG TYPE: CAB		ELEV. 6473 + 3'	
OPERATOR: ROSE, MURRAY		CO-ORDINATES: 389145, 6311W		LATITUDE: 42-36-22 N		LONGITUDE: 80-38-54 W		SECT: 1	
GEOLOGICAL CONTACTS:		DATE: AUGUST 27, 1977		DATE: JUNE 15, 1977		DATE: JULY 27, 1977		DATE: 1977	
Samples sent of		304 ft		TOP		ELEV		THICK	
Lith/ground level		3		647					
PRT. (AMBLTON)									
Kettle Point									
HAMMILLTON									
Moretus		304							
Dundee		335							
Lucas		423							
Amenburg		466							
Bois Blanc		527							
Bois Blanc		642							
G unit shale		728							
F unit shale		750							
D unit shale		828							
C unit shale		946							
B unit shale									
A2 unit only		1035							
A1 unit only		1081							
A1 unit only		1086							
Guelph		1108							
Eremona		1215							
Good Island		1291							
Gaspard		1343							
Rochester									
Rondeauville		1404							
Remains		1409							
Thorold		1423							
Grimsby		1447							
Cobol Head									
Monticoulin									
Whitpool									
Queenson									
Medford Dundas									
Collingwood									
Cobourg									
Verulam									
Kirkfield									
Cobourg									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Sample 1447 ft		MOC: 7							
REMARKS		D UNIT EQUIV 933 B UNIT EQUIV 1016							
SPRINGVALE AT BASE OF BOIS BLANC									
D.S.T (S) ON FILE									
TREATMENT:									

COUNTY: NORFOLK		TOWNSHIP: HOUGHTON		SECTION: 1		CONCESSION: III		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: HEMLOCK		TOWNSHIP: HOUGHTON		STATUS: GAS PRODUCER		LOT: 1 CONC: III	
WELL NAME: HEMLOCK NO.4 HOUGHTON 2-1-111		PERMIT NO: 4491		TOTAL DEPTH: 1450'		RIG TYPE: CAB		ELEV. 6473 + 3'	
OPERATOR: ROSE, MURRAY		CO-ORDINATES: 389145, 6311W		LATITUDE: 42-36-22 N		LONGITUDE: 80-38-54 W		SECT: 1	
GEOLOGICAL CONTACTS:		DATE: AUGUST 27, 1977		DATE: JUNE 15, 1977		DATE: JULY 27, 1977		DATE: 1977	
Samples sent of		304 ft		TOP		ELEV		THICK	
Lith/Gravel level		3		647					
PRT. LAMBERT									
Kettle Point									
HAMMILLTON									
Moretus		304							
Dundee		335							
Lucas		423							
Amenburg		466							
Bois Blanc		527							
Bois Blanc		642							
G unit shale		728							
F unit shale		750							
D unit shale		828							
C unit shale		946							
B unit shale									
A2 unit shale		1035							
A1 unit shale		1081							
A1 unit shale		1086							
Guelph		1106							
Eremona		1215							
Good Island		1291							
Gaspard		1343							
Rochester									
Rondeauville		1404							
Remains		1409							
Thorold		1423							
Grimsby		1447							
Cobol Head									
Monticoulin									
Whitpool									
Queenson									
Medford Dundas									
Collingwood									
Cobourg									
Verulam									
Kirkfield									
Cobourg									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Sample		1447 ft		MOC: 7					
REMARKS		D UNIT EQUIV 933 B UNIT EQUIV 1016							
		SPRINGVALE AT BASE OF BOIS BLANC							
D.S.T (S) ON FILE									
TREATMENT:									

COUNTY: NORFOLK		TOWNSHIP: HOUGHTON		LOT: 2	CONCESSION: 111	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: HEMLOCK		STATUS: GAS PRODUCER		
WELL NAME: HEMLOCK NO.3 HOUGHTON		TOWNSHIP: HOUGHTON		LOT: 2	CONC: 111	4313
OPERATOR: HEMLOCK EXPL.LTD.		TOTAL DEPTH: 1445'		PERMIT NO: 4313		5.81+ 2'
DRILLING CO: NEWPORT WELLINGTON		RIG TYPE: CAB		ELEV. 658+ 2'		
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES: 3331.5; 5051'W				
GEOLOGICAL CONTACTS:		LATITUDE: 42-36-46" N		LONGITUDE: 80-38-51" W		SEQ: 1
Samples start at		290 ft	TOP	ELEV	THICK	
Date/Ground level		2	658			
Ditch/Lake bottom						
PRI LAMBERT						
Kenne Point						
HAMILTON						
Marcellus		269				
Dundas		335				
Lucas		414				
Amherburg		471				
Bois Blanc		557				
Boss Islands		638				
G unit 3002		740				
F unit 3002		740				
E unit 3002		790				
D unit 3002		955				
C unit 3002						
B unit 3002						
A unit 3002						
A-1 unit 3002						
Guelph		1110				
Eramosa		1254				
Geot Island						
Gaspert		1342				
Rochester						
Irondequoit		1408				
Reynolds		1413				
Thorold		1438				
Grimaby						
Cabot Head						
Whitpool						
Queensron						
Medford Dundas						
Collingwood						
Cobourg						
Verulam						
Kirkfield						
Cobocook						
Gull River						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples 1445 ft						
REMARKS		MOC: 7				
O UNIT EQUIV 940 DE CEW		1304				
FINAL RESULTS						
OIL		NIL				
GAS		46 MCF/D				
PRESSURE		690 PSIG				
PRODUCING INTVL.		1428+1436'				
PERFORATED		OPEN MOLE				
THEROIDS		THEROIDS				

COUNTY: NORFOLK		TOWNSHIP: HOUGHTON		LOT: 4	CONCESSION: 11	YEAR: 1977
CLASS: NEW		FIELD/POOL: FAIRGROUND		STATUS: GAS PRODUCER		
WELL NAME: JLF-NO.1 HOUGHTON		TOWNSHIP: HOUGHTON		LOT: 4	CONC: 11	4301
OPERATOR: JONCHERE FARMS		TOTAL DEPTH: 1405'		PERMIT NO: 4301		6.74+ 2'
DRILLING CO: ROSE, MURRAY		RIG TYPE: CAB		ELEV. 674+ 2'		
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES: 1331.5; 5138.0'E				
GEOLOGICAL CONTACTS:		LATITUDE: 42-36-00" N		LONGITUDE: 80-40-14" W		SEQ: 1
Samples start at		310 ft	TOP	ELEV	THICK	
Date/Ground level		2	674			
Ditch/Lake bottom						
PRI LAMBERT						
Kenne Point						
HAMILTON						
Marcellus		310				
Dundas		314				
Lucas		446				
Amherburg		539				
Bois Blanc		636				
Boss Islands		734				
G unit 3002		765				
F unit 3002		847				
E unit 3002		960				
D unit 3002						
C unit 3002						
B unit 3002						
A unit 3002						
A-1 unit 3002						
Guelph		1108				
Eramosa		1197				
Geot Island		1283				
Gaspert		1352				
Rochester		1417				
Irondequoit		1425				
Reynolds		1434				
Thorold		1443				
Grimaby		1474				
Cabot Head						
Whitpool						
Queensron						
Medford Dundas						
Collingwood						
Cobourg						
Verulam						
Kirkfield						
Cobocook						
Gull River						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples 1405 ft						
REMARKS		MOC: 7				
O UNIT EQUIV 944 B UNIT EQUIV 1006						
FINAL RESULTS						
OIL		NIL				
GAS		8 MCF/D				
PRESSURE		1428+1435'				
PRODUCING INTVL.		1428+1435'				
PERFORATED		OPEN HOLES				
THEROIDS		THEROIDS				

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 94		CONCESSION: U		YEAR: 1977	
CLASS: DEVEL FIELD/POOL: STATUS: GAS SHOW -APD COUNTY: NORFOLK TOWNSHIP: LAKE ERIE LOT: 94 CONCE: U PERMIT NO: 4474 WELL NAME: CONSUMERS GAS CO. DRILLING CO. UNDERMASTER GAS DEV GEOLOGY BY: PETROLEUM RESOURCE CO-ORDINATES: 42°-30'-45" N 1077°-1130' E TOTAL DEPTH: 1660' ORU ELEV. 573+4.3'									
GEOLOGICAL CONTACTS: Samples start at 510 ft		TOP ELEV THICK 43 573		LATITUDE: 42°-30'-45" N LONGITUDE: 80°-05'-55" W CONFIDENTIAL: AUGUST 11, 1977 SPUNDED: JULY 7, 1977 COMPLETED: JULY 11, 1977 ABANDONED: JULY 11, 1977 SFL TRAY No: 2354 INDEX No: 768					
DEVIATION: Loke/ground level 43 Drift/Loke bottom 94									
DEVIATION: Kettle Point Hamilton Morrell Dundas Lucas Amersburg Bos Blanc Bos Islands G unit shale F unit shale E unit shale D unit shale C unit shale B unit shale A2 unit A1 unit Guelph Eriemosa Goot Island Gasport Rochester Irondequoit Reynolds Thorold Grimsby Cabot Head Mouthault Whirlpool Queenston Medford Dundas Collingwood Cobourg Kentfield Kirkfield Cobocoon Gull River Shadow Lake									
CAMBRIAN PRECAMBRIAN Total Depth Samples 1660 ft									
REMARKS MOC: 7									
CASING AND TUBING RECORD SIZE 10.75" WEIGHT 51.0# SET AT 94' HANGING R.6.3" 24.0# 46# CEMENTEN LOGGING CO: SCHLUMBERGER LOGGED INTERVAL TYPE LOGGED INTERVAL TYPE 92°-1661' GRNL 92°-1661' CALP 498°-1661' DENL 500°-1648' LATL		CORING RECORD CORED INTERVAL REC. JAWL CORED INTERVAL REC. JAWL NIL							
WATER RECORD INTERVAL STAT. LEV. FLOW TYPE INITIAL OIL RECORD NATURAL FLOW API GRAVITY NIL		NATURAL GAS RECORD INTERVAL NATURAL FLOW S.I. PRESSURE 1077°-1130' 17 MCF/D 579 PSIG 1490°-1660' 733 PSIG							
FINAL RESULTS OIL NIL GAS NIL PRESSURE PRODUCING INTVL. PERFORATED OPEN HOLE FORMATIONS									

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 95	CONCESSION: N	YEAR: 1977
CLASS: DEVEL		FIELD/POOL: CLEAR CREEK LA ERIE		STATUS: GAS PRODUCER		
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 95	CONC: N	4437
WELL NAME: CONSUMERS 13614 LAKE ERIE 95-N		PERMIT NO.: 4437		TOTAL DEPTH: 1629' PBD: 1555'		
OPERATOR: CONSUMERS GAS CO.		DRILLING CO.: UNDERWATER GAS DEV		RIG TYPE: ORJ ELEV. 573'+42'		
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-32-23 N		
GEOLOGICAL CONTACTS:		LONGITUDE: 80-33-59 W		SEQ: 1		
Samples short of		462 ft	TOP	ELEV	THICK	
Late/Ground level		42	573			
Dirt/Late bottom		93				
PRT LAMBERT						
Kettle Point		378				
Marcellus		410				
HAMILTON						
Dundee						
Lucas						
Amherstburg		551				
Bois Blanc		686				
DETROIT						
RIVER						
Bois Blanc		694				
G unit shale		783				
F unit shale		804				
E unit carb		880				
D unit soil		996				
C unit shale		1037				
B unit soil		1060				
A2 unit carb		1102				
A1 unit carb		1138				
A-1 unit evap		1143				
Guelph						
Eramosa						
Goat Island						
Gaspot						
ROCHESTER		1412				
AMABEL						
Rondeau		1446				
Rondeau		1456				
Thorold		1460				
Grimsby		1506				
Cobol Head		1576				
Manitoulin		1585				
Whirlpool		1589				
Oueron						
Metford Dundas						
Collingwood						
Cobourg						
Verulam						
Kirkfield						
TRENTON						
Cobocoon						
Gull River						
BLACK RIVER						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples		1629 ft	REMARKS	MOC: 7		
SPRINGVALE AT BASE OF BOIS BLANC						
GAS ANALYSIS ON FILE						
DST(S) ON FILE						
TREATMENT:						
FORMATIONS						
PERFORATED YES OPEN HOLE						
THOROLD						

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 97	CONCESSION: S	YEAR: 1977
CLASS: EXTN		FIELD/POOL:		STATUS: DRY HOLE		
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 97	CONC: S	4466
WELL NAME: CONSUMERS 13401 LAKE ERIE 97-S		PERMIT NO.: 4466		TOTAL DEPTH: 1680' PBD: 1573'		
OPERATOR: CONSUMERS GAS CO.		DRILLING CO.: UNDERWATER GAS DEV		RIG TYPE: ORJ ELEV. 573'+24'		
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-31-50 N		
GEOLOGICAL CONTACTS:		LONGITUDE: 80-41-10 W		SEQ: 1		
Samples short of		475 ft	TOP	ELEV	THICK	
Late/Ground level		24	573			
Dirt/Late bottom		82				
PRT LAMBERT						
Kettle Point		322				
Marcellus		414				
HAMILTON						
Dundee						
Lucas						
Amherstburg		574				
Bois Blanc		694				
DETROIT						
RIVER						
Bois Blanc		718				
G unit shale		804				
F unit carb		830				
D unit soil		904				
C unit shale		1028				
B unit soil		1068				
A2 unit carb		1174				
A1 unit carb		1180				
Guelph						
Eramosa						
Goat Island						
Gaspot						
ROCHESTER		1466				
AMABEL						
Rondeau		1497				
Rondeau		1510				
Thorold		1520				
Grimsby		1554				
Cobol Head		1616				
Manitoulin		1630				
Whirlpool		1634				
Oueron						
Metford Dundas						
Collingwood						
Cobourg						
Verulam						
Kirkfield						
TRENTON						
Cobocoon						
Gull River						
BLACK RIVER						
Shadow Lake						
CAMBRIAN						
PRECAMBRIAN						
Total Depth Samples		1680 ft	REMARKS	MOC: 7		
SPRINGVALE AT BASE OF BOIS BLANC						
GAS ANALYSIS ON FILE						
DST(S) ON FILE						
TREATMENT:						
FORMATIONS						
PERFORATED YES OPEN HOLE						
THOROLD						

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 122		CONCESSION: M		YEAR: 1977	
CLASS: DEVEL	FIELD/POOL:	TOWNSHIP: LAKE ERIE		LOT: 122		CONC: M		STATUS: GAS SHOW	
WELL NAME: CONSUMERS GAS CO		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		PERMIT NO: 4439	
OPERATOR: CONSUMERS GAS CO		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
DRILLING CO: UNDERHILLER GAS DEV		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
GEOLOGIST BY: PETROLEUM RESOURCE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
GEOLOGICAL CONTRACTS:		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Samples from at		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Date/Ground level		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Drill/Lake bottom		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
PRT LAMBTON		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Kenne Point		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
HAMILTON		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Morcelius		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Dundee		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Lucas		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Amersburg		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Bois Blanc		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
G unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
F unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
E unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
D unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
C unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
B unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
A2 unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
A1 unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Guelph		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Eramosa		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Goat Island		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Rocheester		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Hondelquist		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Reynolds		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Thorold		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Grimsbay		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Cobol Head		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Maitoulin		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Whirpool		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Queanston		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Metford-Dundas		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Collingwood		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Cobourg		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Verulam		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Kirkfield		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Cobocook		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Gull River		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Shadow Lake		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
CAMBRIAN		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
PRECAMBRIAN		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
Total Depth Samples 1760 ft		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
REMARKS		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
D.S.T (S) ON FILE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
TREATMENT:		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
OIL		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
GAS		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
PRESSURE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
PRODUCING INTVL.		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
PERFORATED		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	
FORMATION(S)		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: M		RBD: 573+423'	

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 122		CONCESSION: W		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL:		TOWNSHIP: LAKE ERIE		LOT: 122 CONC: W		STATUS: GAS SHOW -ARD	
WELL NAME: CONSUMERS GAS CO		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		PERMIT NO: 4487	
OPERATOR: CONSUMERS GAS CO		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
DRILLING CO: UNDERHILLER GAS DEV		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
GEOLOGIST BY: PETROLEUM RESOURCE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
GEOLOGICAL CONTRACTS:		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Samples from at		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Date/Ground level		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Drill/Lake bottom		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
PRT LAMBTON		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Kenne Point		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
HAMILTON		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Morcelius		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Dundee		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Lucas		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Amersburg		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Bois Blanc		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
G unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
F unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
E unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
D unit carb		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
C unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
B unit soil		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
A2 unit soil		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
A1 unit shale		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Guelph		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Eramosa		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Geot Island		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Geopost		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Rochebster		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Hondelquilt		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Reynolds		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Thorold		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Grimsby		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Cabot Head		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Marlinville		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Whirlpool		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Queenson		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
McIntosh-Bundus		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Collingwood		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Cobourg		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Verulam		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Kirkfield		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Cobocook		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Gull River		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Shadow Lake		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
CAMBRIAN		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
PRECAMBRIAN		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
Total Depth Samples 1850 ft		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
REMARKS		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
MOC: 7		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
SPRINGVALE AT BASE OF BOIS BLANC		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
D.S.T(S) ON FILE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
TREATMENT:		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
FORMATIONS(S)		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	
OPEN HOLE		TOWNSHIP: LAKE ERIE		LOT: 122-M		CONC: W		RBD: 573+43'	

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONCESSION: 0	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: SILVER CR. (L. ERIE)	STATUS: GAS PRODUCER
COUNTRY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87			INITIAL OIL RECORD				
PRT. LAMBERTON					AP. GRAVITY				
Kettle Point		406			WATER RECORD				
Marcellus		451			INTERVAL				
Dundee		488			INITIAL OIL RECORD				
Lucas		498			NATURAL FLOW				
Amherstburg		634			NATURAL FLOW				
Bois Blanc		742			NATURAL FLOW				
Bois Blanc		786			NATURAL FLOW				
Base Island		883			NATURAL FLOW				
G unit shale		918			NATURAL FLOW				
F unit shale		994			NATURAL FLOW				
E unit carb		1120			NATURAL FLOW				
D unit carb		1152			NATURAL FLOW				
C unit shale		1196			NATURAL FLOW				
B unit shale		1206			NATURAL FLOW				
A2 unit shale		1256			NATURAL FLOW				
A2 unit carb		1264			NATURAL FLOW				
A1 unit carb		1273			NATURAL FLOW				
A1 unit expd					NATURAL FLOW				
Guelph					NATURAL FLOW				
Eromosa					NATURAL FLOW				
Goat Island					NATURAL FLOW				
Gaspot		1523			NATURAL FLOW				
Rondeau		1562			NATURAL FLOW				
Reynolds		1574			NATURAL FLOW				
Theroid		1580			NATURAL FLOW				
Grimsky		1626			NATURAL FLOW				
Cobot Head		1696			NATURAL FLOW				
Manitoulin		1710			NATURAL FLOW				
Whirpool		1714			NATURAL FLOW				
Queanston					NATURAL FLOW				
Medford Dundas					NATURAL FLOW				
Collingwood					NATURAL FLOW				
Cobourg					NATURAL FLOW				
Verulam					NATURAL FLOW				
Kirkfield					NATURAL FLOW				
Cobocook					NATURAL FLOW				
Gull River					NATURAL FLOW				
Shadow Lake					NATURAL FLOW				
CAMBRIAN					NATURAL FLOW				
PRECAMBRIAN					NATURAL FLOW				
Total Depth Samples 1772 ft		MCC: 7		REMARKS					
SPRINGVALE AT BASE OF BOIS BLANC		REMARKS							
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87			INITIAL OIL RECORD				
PRT. LAMBERTON					AP. GRAVITY				
Kettle Point		406			WATER RECORD				
Marcellus		451			INTERVAL				
Dundee		488			INITIAL OIL RECORD				
Lucas		498			NATURAL FLOW				
Amherstburg		634			NATURAL FLOW				
Bois Blanc		742			NATURAL FLOW				
Bois Blanc		786			NATURAL FLOW				
Base Island		883			NATURAL FLOW				
G unit shale		918			NATURAL FLOW				
F unit shale		994			NATURAL FLOW				
E unit carb		1120			NATURAL FLOW				
D unit carb		1152			NATURAL FLOW				
C unit shale		1196			NATURAL FLOW				
B unit shale		1206			NATURAL FLOW				
A2 unit shale		1256			NATURAL FLOW				
A2 unit carb		1264			NATURAL FLOW				
A1 unit carb		1273			NATURAL FLOW				
A1 unit expd					NATURAL FLOW				
Guelph					NATURAL FLOW				
Eromosa					NATURAL FLOW				
Goat Island					NATURAL FLOW				
Gaspot		1523			NATURAL FLOW				
Rondeau		1562			NATURAL FLOW				
Reynolds		1574			NATURAL FLOW				
Theroid		1580			NATURAL FLOW				
Grimsky		1626			NATURAL FLOW				
Cobot Head		1696			NATURAL FLOW				
Manitoulin		1710			NATURAL FLOW				
Whirpool		1714			NATURAL FLOW				
Queanston					NATURAL FLOW				
Medford Dundas					NATURAL FLOW				
Collingwood					NATURAL FLOW				
Cobourg					NATURAL FLOW				
Verulam					NATURAL FLOW				
Kirkfield					NATURAL FLOW				
Cobocook					NATURAL FLOW				
Gull River					NATURAL FLOW				
Shadow Lake					NATURAL FLOW				
CAMBRIAN					NATURAL FLOW				
PRECAMBRIAN					NATURAL FLOW				
Total Depth Samples 1772 ft		MCC: 7		REMARKS					
SPRINGVALE AT BASE OF BOIS BLANC		REMARKS							
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87			INITIAL OIL RECORD				
PRT. LAMBERTON					AP. GRAVITY				
Kettle Point		406			WATER RECORD				
Marcellus		451			INTERVAL				
Dundee		488			INITIAL OIL RECORD				
Lucas		498			NATURAL FLOW				
Amherstburg		634			NATURAL FLOW				
Bois Blanc		742			NATURAL FLOW				
Bois Blanc		786			NATURAL FLOW				
Base Island		883			NATURAL FLOW				
G unit shale		918			NATURAL FLOW				
F unit shale		994			NATURAL FLOW				
E unit carb		1120			NATURAL FLOW				
D unit carb		1152			NATURAL FLOW				
C unit shale		1196			NATURAL FLOW				
B unit shale		1206			NATURAL FLOW				
A2 unit shale		1256			NATURAL FLOW				
A2 unit carb		1264			NATURAL FLOW				
A1 unit carb		1273			NATURAL FLOW				
A1 unit expd					NATURAL FLOW				
Guelph					NATURAL FLOW				
Eromosa					NATURAL FLOW				
Goat Island					NATURAL FLOW				
Gaspot		1523			NATURAL FLOW				
Rondeau		1562			NATURAL FLOW				
Reynolds		1574			NATURAL FLOW				
Theroid		1580			NATURAL FLOW				
Grimsky		1626			NATURAL FLOW				
Cobot Head		1696			NATURAL FLOW				
Manitoulin		1710			NATURAL FLOW				
Whirpool		1714			NATURAL FLOW				
Queanston					NATURAL FLOW				
Medford Dundas					NATURAL FLOW				
Collingwood					NATURAL FLOW				
Cobourg					NATURAL FLOW				
Verulam					NATURAL FLOW				
Kirkfield					NATURAL FLOW				
Cobocook					NATURAL FLOW				
Gull River					NATURAL FLOW				
Shadow Lake					NATURAL FLOW				
CAMBRIAN					NATURAL FLOW				
PRECAMBRIAN					NATURAL FLOW				
Total Depth Samples 1772 ft		MCC: 7		REMARKS					
SPRINGVALE AT BASE OF BOIS BLANC		REMARKS							
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87			INITIAL OIL RECORD				
PRT. LAMBERTON					AP. GRAVITY				
Kettle Point		406			WATER RECORD				
Marcellus		451			INTERVAL				
Dundee		488			INITIAL OIL RECORD				
Lucas		498			NATURAL FLOW				
Amherstburg		634			NATURAL FLOW				
Bois Blanc		742			NATURAL FLOW				
Bois Blanc		786			NATURAL FLOW				
Base Island		883			NATURAL FLOW				
G unit shale		918			NATURAL FLOW				
F unit shale		994			NATURAL FLOW				
E unit carb		1120			NATURAL FLOW				
D unit carb		1152			NATURAL FLOW				
C unit shale		1196			NATURAL FLOW				
B unit shale		1206			NATURAL FLOW				
A2 unit shale		1256			NATURAL FLOW				
A2 unit carb		1264			NATURAL FLOW				
A1 unit carb		1273			NATURAL FLOW				
A1 unit expd					NATURAL FLOW				
Guelph					NATURAL FLOW				
Eromosa					NATURAL FLOW				
Goat Island					NATURAL FLOW				
Gaspot		1523			NATURAL FLOW				
Rondeau		1562			NATURAL FLOW				
Reynolds		1574			NATURAL FLOW				
Theroid		1580			NATURAL FLOW				
Grimsky		1626			NATURAL FLOW				
Cobot Head		1696			NATURAL FLOW				
Manitoulin		1710			NATURAL FLOW				
Whirpool		1714			NATURAL FLOW				
Queanston					NATURAL FLOW				
Medford Dundas					NATURAL FLOW				
Collingwood					NATURAL FLOW				
Cobourg					NATURAL FLOW				
Verulam					NATURAL FLOW				
Kirkfield					NATURAL FLOW				
Cobocook					NATURAL FLOW				
Gull River					NATURAL FLOW				
Shadow Lake					NATURAL FLOW				
CAMBRIAN					NATURAL FLOW				
PRECAMBRIAN					NATURAL FLOW				
Total Depth Samples 1772 ft		MCC: 7		REMARKS					
SPRINGVALE AT BASE OF BOIS BLANC		REMARKS							
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87			INITIAL OIL RECORD				
PRT. LAMBERTON					AP. GRAVITY				
Kettle Point		406			WATER RECORD				
Marcellus		451			INTERVAL				
Dundee		488			INITIAL OIL RECORD				
Lucas		498			NATURAL FLOW				
Amherstburg		634			NATURAL FLOW				
Bois Blanc		742			NATURAL FLOW				
Bois Blanc		786			NATURAL FLOW				
Base Island		883			NATURAL FLOW				
G unit shale		918			NATURAL FLOW				
F unit shale		994			NATURAL FLOW				
E unit carb		1120			NATURAL FLOW				
D unit carb		1152			NATURAL FLOW				
C unit shale		1196			NATURAL FLOW				
B unit shale		1206			NATURAL FLOW				
A2 unit shale		1256			NATURAL FLOW				
A2 unit carb		1264			NATURAL FLOW				
A1 unit carb		1273			NATURAL FLOW				
A1 unit expd					NATURAL FLOW				
Guelph					NATURAL FLOW				
Eromosa					NATURAL FLOW				
Goat Island					NATURAL FLOW				
Gaspot		1523			NATURAL FLOW				
Rondeau		1562			NATURAL FLOW				
Reynolds		1574			NATURAL FLOW				
Theroid		1580			NATURAL FLOW				
Grimsky		1626			NATURAL FLOW				
Cobot Head		1696			NATURAL FLOW				
Manitoulin		1710			NATURAL FLOW				
Whirpool		1714			NATURAL FLOW				
Queanston					NATURAL FLOW				
Medford Dundas					NATURAL FLOW				
Collingwood					NATURAL FLOW				
Cobourg					NATURAL FLOW				
Verulam					NATURAL FLOW				
Kirkfield					NATURAL FLOW				
Cobocook					NATURAL FLOW				
Gull River					NATURAL FLOW				
Shadow Lake					NATURAL FLOW				
CAMBRIAN					NATURAL FLOW				
PRECAMBRIAN					NATURAL FLOW				
Total Depth Samples 1772 ft		MCC: 7		REMARKS					
SPRINGVALE AT BASE OF BOIS BLANC		REMARKS							
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 123	CONC: 0	4481	PERMIT NO: 4481		
WELL NAME: CONSUMERS 13417 LAKE ERIE 123-0		TOTAL DEPTH: 1772'		RPTD: 1673'		573'+23'			
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: ORU		ELEV. 573'+23'			
GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-27-55 N		LONGITUDE: 80-39-20 W		SEQ: 1			
GEOLOGICAL CONTRACTS: 463 ft		TOP	ELEV	THICK	SPL. TRAY No.: 2584				
Samples start at		23	573		INDEX No. 755				
Lake/Gravel level		87			INITIAL GAS RECORD				
Drift/Lake bottom		87</							

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 125		CONC: E		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL:		STATUS: GAS SHOW		-ABO			
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 125 CONC: E		PERMIT No: 4464			
WELL NAME: CONSUMERS 13439 LAKE ERIE 125-E		TOTAL DEPTH: 1730'		RIG TYPE: ORJ		ELEV. 573'+44'			
OPERATOR: CONSUMERS GAS CO.		CO-ORDINATES:		LONGITUDE: 42-29-22 N		SEC: 1			
DRILLING CO: UNDERWATER GAS DEV		GEOLOGICAL CONTACTS:		CONFIDENTIAL: AUGUST 14, 1977		SPUNDOED: JULY 11, 1977			
GEOLOGY BY: PETROLEUM RESOURCE		SPL. TRAY No: 2346		INDEX No: 765		ABANDONED: JULY 15, 1977			
Samples start at		531 ft	TOP	ELEV	THICK				
Late/Gravel level		44	573						
Drill/Lake bottom		104							
PRI. LAMBERTON		Kettle Point							
HAMILTON		Marcellus		444					
DETROIT		Lucas		461					
RIVER		Amherstburg		560					
		Boss Blanc		610					
		Boss Islands		680					
				738					
		G unit shale		850					
		F unit shale		874					
		D unit sand		952					
		C unit shale		1073					
		Mudrock		1106					
		B unit sand		1149					
		sand		1170					
		A2 unit sand		1203					
		dry		1206					
		A 1 unit exp		1215					
		Guelph							
		Eramosa							
		Geot Island							
		Gaspot							
AMABEL		Rochester		1504					
		Ironduquait		1547					
		Reynolds		1558					
		Thorold		1565					
		Grimaby		1608					
		Cedar Head		1680					
CATARACT		Monticulin		1692					
		Whirlpool		1699					
		Queenslea							
		Melford-Dundas							
		Collingwood							
		Colongue							
		Verulam							
		Kirkfield							
		Colasook							
		Gull River							
		Shadow Lake							
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1730 ft				MOC: 7					
REMARKS									
SPRINGVALE AT BASE OF BOIS PLANC									
OIL		NIT		FINAL RESULTS					
PRESSURE		NIL							
PRODUCING INTVL.									
PERFORATED		OPEN HOLE							
D.S.T(S) ON FILE		TREATMENT:							

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 154	CONCESSION: A		YEAR: 1977	CLASS: DEVEL	FIELD/POOL:	STATUS: GAS SHOW	-ABD																								
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 154	CONC: A		PERMIT No.: 4446																												
WELL NAME: CONSUMERS 13425 LAKE ERIE 154-A		TOTAL DEPTH: 1831'		PRTD: 1831'	RIG TYPE: ORJ	ELEV: 5731+24'																													
OPERATOR: CONSUMERS GAS CO.		CO-ORDINATES:																																	
DRILLING CO: UNDERWATER GAS DEV		LATITUDE: 42-24-44 N		LONGITUDE: 80-35-50 W		SEQ: 1																													
GEOLOGY BY: PETROL-EUM RESOURCE		SPL. TRAY No.: 2600		INDEX No. 781																															
GEOLOGICAL CONTRACTS:		402 ft	TOP	ELEV	THICK																														
Samples start at		24	573																																
Lake/Ground level		91																																	
Drift/Lake bottom																																			
PRT LAMBTON																																			
Kettle Point		384																																	
HAMILTON																																			
Marcellus		566																																	
Dundee		705																																	
Lucas		773																																	
Amherstburg		705																																	
Bois Blanc		816																																	
Bois Islands		913																																	
G unit shale		938																																	
F unit shale		1013																																	
E unit carb		1136																																	
D unit soil		1164																																	
C unit shale		1208																																	
B unit soil		1228																																	
A2 unit soil		1263																																	
A1 unit carb		1265																																	
A1 unit evap		1278																																	
Guelph																																			
Eramosa																																			
Geot Island																																			
Gaspot		1596																																	
Rochester		1640																																	
Hondagoit		1653																																	
Raynoles		1662																																	
Thorold		1702																																	
Grimsey		1773																																	
Cobol Head		1788																																	
Montoulin		1794																																	
Whirpool																																			
Queenson																																			
Medford Dundas																																			
Collingwood																																			
Cobourg																																			
Verulam																																			
Kirkfield																																			
Cobocock																																			
Gull River																																			
Shadow Lake																																			
CAMBRIAN																																			
PRECAMBRIAN																																			
Total Depth Samples 1830 ft		MGC: 7																																	
REMARKS																																			
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)																															

COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 154	CONCESSION: C		YEAR: 1977		CLASS: DEVEL	FIELD/POOL: CLEAR CREEK L. ERIE	STATUS: GAS PRODUCER												
WELL NAME: CONSUMERS 13426 LAKE ERIE 154-C		TOWNSHIP: LAKE ERIE		LOT: 154	CONC: C		PERMIT NO: 4447																
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1879'		PRTD: 1833'	RIG TYPE: ORJ	ELEV: 5731+44'																	
DRILLING CO: UNDERWATER GAS DEV		CO-ORDINATES:																					
GEOLOGY BY: PETROL-EUM RESOURCE		LATITUDE: 42-24-37 N		LONGITUDE: 80-37-03 W		SEQ: 1																	
GEOLOGICAL CONTRACTS:		SPL. TRAY No.: 3018		INDEX No. 784																			
Samples start at		497 ft	TOP	ELEV	THICK																		
Lake/Ground level		44	573																				
Drift/Lake bottom		112																					
PRT LAMBTON																							
Kettle Point		407																					
HAMILTON		424																					
Marcellus		618																					
Dundee		740																					
Lucas		803																					
Amherstburg		852																					
Bois Blanc		950																					
G unit shale		970																					
F unit shale		1047																					
E unit carb		1170																					
D unit soil		1239																					
C unit shale		1258																					
B unit soil		1294																					
A2 unit soil		1307																					
A1 unit carb																							
A1 unit evap																							
Guelph																							
Eramosa																							
Geot Island																							
Gaspot		1640																					
Rochester		1682																					
Hondagoit		1696																					
Raynoles		1709																					
Thorold		1750																					
Grimsey		1833																					
Cobol Head																							
Montoulin																							
Whirpool																							
Queenson																							
Medford Dundas																							
Collingwood																							
Cobourg																							
Verulam																							
Kirkfield																							
Cobocock																							
Gull River																							
Shadow Lake																							
CAMBRIAN																							
PRECAMBRIAN																							
Total Depth Samples 1878 ft		MGC: 7																					
REMARKS																							
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)																			

COUNTY: NORFOLK				TOWNSHIP: LAKE ERIE				LOT: 154				CONCESSION: I				YEAR: 1977			
CLASS: DEVEL		FIELD/POOL:		STATUS: GAS SHOW		-ABD													
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 154		CONC: I		4449		573+23'									
WELL NAME: CONSUMERS 33422 LAKE ERIE 154-I		OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1908'		PERM NO: 4449		573+23'											
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LATITUDE: 42-23-05 N		LONGITUDE: 80-36-43 W		SEQ: 1											
Samples start at		Lake/Ground level		436 ft		TOP		ELEV THICK											
PRT LAMBTON		Kenne Point		363		573		573											
HAMILTON		Marcellus		464		573		573											
DETROIT		Lucas		752		573		573											
RIVER		Amherstburg		804		573		573											
		Boss Islands		902		573		573											
		G unit shale		996		573		573											
		F unit shale		1021		573		573											
		E unit carb		1099		573		573											
		D unit carb		1224		573		573											
		C unit shale		1248		573		573											
		B unit shale		1290		573		573											
		A2 unit carb		1310		573		573											
		A1 unit carb		1344		573		573											
		Guelph		1359		573		573											
		Eramosa				573		573											
		Gastrop		1670		573		573											
		Rochester		1712		573		573											
		Iondaquilt		1726		573		573											
		Thorold		1735		573		573											
		Grimaby		1779		573		573											
		Cobol Head		1854		573		573											
		Monticulin		1870		573		573											
		Whirlpool		1874		573		573											
		Queensien				573		573											
		Medford Dundas				573		573											
		Collingwood				573		573											
		Cobourg				573		573											
		Verulam				573		573											
		Kirkfield				573		573											
		Cobocank				573		573											
		Gull River				573		573											
		Shadow Lake				573		573											
						573		573											
						573		573											
						573		573											
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COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 155		CONVEYANCE: R		YEAR: 1977	
CLASS: EXTEN		FIELD/POOL:		STATUS: GAS SHOW		-ARD			
WELL NAME: CONSUMERS 13423 LAKE ERIE 155-K		TOWNSHIP: LAKE ERIE		LOT: 155		CONC: K		4457	
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 1950'		PERMIT No.:		PATO.		573+442'	
DRILLING CO: UNDERWATER GAS DEV		RIG TYPE: DRU		ELEV.					
GEOLOGICAL BY: PETROLEUM RESOURCE		CO-ORDINATES:		LATITUDE: 42-22'-25" N		LONGITUDE: 80-40'-19" W		INDEX No. 759	
GEOLOGICAL CONTACTS:		TOP		ELEV.		THICK			
Samples start of		446 ft		42		573			
Lake/Gravel bottom				111					
PRI LAMBERTON				372					
Kenia Point				467					
HAMILTON				642					
Dundas				734					
Lucas				827					
DETROIT RIVER				874					
Bass Islands				955					
G unit 1240'				1005					
F unit 1806'				1078					
E unit 1602'				1201					
D unit 1501'				1226					
C unit 1306'				1271					
B unit 1301'				1290					
A-2 unit 1301'				1321					
A-1 unit 1301'				1324					
A-1 unit 1301'				1341					
Guelph				1341					
Eramosa									
Goat Island									
Gaspot									
ROCHESTER				1708					
Hondouquet				1752					
Thorold				1765					
Grimby				1776					
Cobol Head				1824					
Montoulin				1835					
Whirlpool				1908					
Queenton				1916					
Medford Dundas									
Collingwood									
Cobourg									
Trenton									
Kirkfield									
Cobococh									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 1950 ft				MCC: 7					
REMARKS									
CONDITION		CORING RECORD		STORIED		FINAL RESULTS			
CORED INTERVAL		REC		ANAL		CORED INTERVAL		REC	
NIL									
LOGGING CO: SCHLUMBERGER		LOGGING RECORD		LOGGING CO: SCHLUMBERGER		LOGGING RECORD			
LOGGED INTERVAL		TYPE		LOGGED INTERVAL		TYPE			
108'-1949'		GRNL		108'-1949'		CALP			
436'-1949'		DEML		440'-1936'		LATL			
Casing and Tubing Record		Casing and Tubing Record		Casing and Tubing Record		Casing and Tubing Record			
SIZE		WEIGHT		SET AT		HOW SET		REC.	
10.75" 51.0R		11.1"		HANGING		111'			
8.63" 24.0R		436'		CEMENTED					
Oil		GAS		PRESSURE		PRODUCING NATVL		PERFORATED	
NIL		NIL		NIL		OPEN HOLE			
FORMATIONS									

COUNTY: NORFOLK

TOWNSHIP: LAKE ERIE

LOT: 155

CONVEYANCE: R

YEAR: 1977

CLASS: EXTEN

FIELD/POOL:

STATUS: GAS SHOW

-ARD

WELL NAME: CONSUMERS 13423 LAKE ERIE 155-K

OPERATOR: CONSUMERS GAS CO.

DRILLING CO: UNDERWATER GAS DEV

GEOLOGICAL BY: PETROLEUM RESOURCE

LOGGING CO: SCHLUMBERGER

LOGGING RECORD

LOGGING INTERVAL

TYPE

LOGGING INTERVAL

TYPE

108°-1949'

GRNL

108°-1949'

CALP

436°-1949'

DEML

440°-1936'

LATL

CAGING AND TUBING RECORD

SIZE

WEIGHT

SET AT

HOW SET

REC.

10.75" 51.0R

11.1"

HANGING

436°

111°

8.63" 24.0R

CEMENTED

WATER RECORD

INTERVAL

STAT. LEV.

FLOW

TYPE

INTERNAL

INITIAL OIL RECORD

INITIAL NATURAL FLOW

API GRAVITY

INTERNAL

INTERVAL

NATURAL FLOW

API GRAVITY

1318°-1369'

10 MCF/D

65.5 PSIG

1370°-1490'

662 PSIG

1760°-1830'

762 PSIG

INITIAL GAS RECORD

INITIAL GAS RECORD

INDEX No.

759

CONFIDENTIAL

SEPTEMBER 19, 1978

SPUNDED: SEPTEMBER 17, 1977

COMPLETED: SEPTEMBER 19, 1977

ABANDONED: SEPTEMBER 21, 1977

SPL. TRAY No.: 3138

INITIAL GAS RECORD

INDEX No.

759

LONGITUDE: 80-40-19" W

LATITUDE: 42-22-25" N

SECT: 1

CO-ORDINATES:

CO-ORDINATES:

CO-ORDINATES:

TOP

ELEV.

THICK

446 ft

42

573

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

Precambrian

Devonian

Hamilton

Dundee

Lucas

Ardenburg

Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

Guelph

Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

Collingwood

Cobourg

Trenton

Kirkfield

Cobococh

Gull River

Shadow Lake

Cambrian

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Bass Islands

G unit 1240'

F unit 1806'

E unit 1602'

D unit 1501'

C unit 1306'

B unit 1301'

A-2 unit 1301'

A-1 unit 1301'

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Eramosa

Goat Island

Gaspot

Rochester

Hondouquet

Thorold

Grimby

Cobol Head

Montoulin

Whirlpool

Queeraton

Medford Dundas

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COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 155	CONCESSION: L	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: SILVER CR.(L.ERIE)		STATUS: GAS PRODUCER
COUNTY: NORFOLK		TOWNSHIP: LAKE ERIE		LOT: 155	CONC: L	4458	WELL NAME: CONSUMERS 13422 LAKE ERIE 155-L	PERMIT NO.: 1901*	PATD: 1901*	ELEV. 473*+44*
OPERATOR: CONSUMERS GAS CO.		DRILLING CO: UNDERATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 42-22-30 N 80-44-36 W		TOTAL DEPTH: 1945'		RIG TYPE: OPJ
GEOLOGICAL CONTACTS:		TOP		ELEV		THICK		LATITUDE: 42-22-30 N		SEC: 1
Samples start at		467 ft		44		473		CONFIDENTIAL:		INDEX No. 786
Lake/Gravel level		112		370		482		SPUNDED: OCTOBER 24, 1977		ABANDONED: SEPTEMBER 24, 1977
Drift/Lake bottom		Kettle Point		Marcellus		Dundas		SPL. TRAY NO.: 3075		INITIAL GAS RECORD
HAMILTON		Lucas		Amesbury		Bois Blanc		INTERVAL		NATURAL FLOW
DETROIT		Lucas		Amesbury		Bois Blanc		1754'-1825'		241 MCF/D
RIVER		Lucas		Amesbury		Bois Blanc		842		813 PSIG
		G unit shale		F unit shale		D unit shale		C unit shale		B unit shale
		1008		1028		1104		1226		1264
		1328		1364		1380		1407		1428
		1462		1464		1480		1504		1528
		1552		1576		1600		1624		1648
		1672		1696		1720		1744		1768
		1792		1816		1840		1864		1888
		1908		1924		1940		1956		1972
		1992		2008		2024		2040		2056
		2072		2088		2104		2120		2136
		2152		2168		2184		2200		2216
		2232		2248		2264		2280		2296
		2312		2328		2344		2360		2376
		2392		2408		2424		2440		2456
		2472		2488		2504		2520		2536
		2552		2568		2584		2600		2616
		2632		2648		2664		2680		2696
		2712		2728		2744		2760		2776
		2792		2808		2824		2840		2856
		2872		2888		2904		2920		2936
		2952		2968		2984		3000		3016
		3032		3048		3064		3080		3096
		3112		3128		3144		3160		3176
		3192		3208		3224		3240		3256
		3272		3288		3304		3320		3336
		3352		3368		3384		3400		3416
		3432		3448		3464		3480		3496
		3512		3528		3544		3560		3576
		3592		3608		3624		3640		3656
		3672		3688		3704		3720		3736
		3752		3768		3784		3800		3816
		3832		3848		3864		3880		3896
		3912		3928		3944		3960		3976
		3992		4008		4024		4040		4056
		4072		4088		4104		4120		4136
		4152		4168		4184		4200		4216
		4232		4248		4264		4280		4296
		4312		4328		4344		4360		4376
		4392		4408		4424		4440		4456
		4472		4488		4504		4520		4536
		4552		4568		4584		4600		4616
		4632		4648		4664		4680		4696
		4712		4728		4744		4760		4776
		4792		4808		4824		4840		4856
		4872		4888		4904		4920		4936
		4952		4968		4984		5000		5016
		5032		5048		5064		5080		5096
		5112		5128		5144		5160		5176
		5192		5208		5224		5240		5256
		5272		5288		5304		5320		5336
		5352		5368		5384		5400		5416
		5432		5448		5464		5480		5496
		5512		5528		5544		5560		5576
		5592		5608		5624		5640		5656
		5672		5688		5704		5720		5736
		5752		5768		5784		5800		5816
		5832		5848		5864		5880		5896
		5912		5928		5944		5960		5976
		5992		6008		6024		6040		6056
		6072		6088		6104		6120		6136
		6152		6168		6184		6200		6216
		6232		6248		6264		6280		6296
		6312		6328		6344		6360		6376
		6392		6408		6424		6440		6456
		6472		6488		6504		6520		6536
		6552		6568		6584		6600		6616
		6632		6648		6664		6680		6696
		6712		6728		6744		6760		6776
		6792		6808		6824		6840		6856
		6872		6888		6904		6920		6936
		6952		6968		6984		7000		7016
		7032		7048		7064		7080		7096
		7112		7128		7144		7160		7176
		7192		7208		7224		7240		7256
		7272		7288		7304		7320		7336
		7352		7368		7384		7400		7416
		7432		7448		7464		7480		7496
		7512		7528		7544		7560		7576
		7592		7608		7624		7640		7656
		7672		7688		7704		7720		7736
		7752		7768		7784		7800		7816
		7832		7848		7864		7880		7896
		7912		7928		7944		7960		7976
		7992		8008		8024		8040		8056
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		8872		8888		8904		8920		8936
		8952		8968		8984		9000		9016
		9032		9048		9064		9080		9096
		9112		9128		9144		9160		9176
		9192		9208		9224		9240		9256
		9272		9288		9304		9320		9336
		9352		9368		9384		9400		9416
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		9592		9608		9624		9640		9656
		9672		9688		9704		9720		9736
		9752		9768		9784		9800		9816
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		10472		10488		10504		10520		10536
		10552		10568		10584		10600		10616
		10632		10648		10664		10680		10696
		10712		10728		10744		10760		10776
		10792		10808		10824		10840		10856
		10872		10888		10904		10920		10936
		10952		10968		10984		11000		11016
		11032		11048		11064		11080		11096
		11112		11128		11144		11160		11176
		11192		11208		11224		11240		11256
		11272		11288		11304		11320		11336
		11352		11368		11384		11400		11416
		11432		11448		11464		11480		11496
		11512		11528		11544		11560		11576
		11592		11608		11624		11640		11656
		11672		11688		11704		11720		11736
		11752		11768		11784		11800		11816
		11832		11848		11864		11880		11896
		11912		11928		11944		11960		11976
		11992		12008		12024		12040		12056
		12072		12088		12104		12120		12136
		12152		12168		12184		12200		12216
		12232		12248		12264		12280		12296
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		12392		12408		12424		12440		12456
		12472		12488		12504		12520		12536
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		12632		12648		12664		12680		12696
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		12952		12968		12984		13000		13016
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		14232		14248		14264		14280		14296
		14312		14328		14344		14360		14376
		14392		14408		14424		14440		14456
		14472		14488		14504		14520		145

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 7		CONCESSION: VII		YEAR: 1977	
CLASS: NF-POLK		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTRY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 7		CONC: VII		4587	
WELL NAME: CRAVEN NORTH WALSLINGHAM 7-7-VII		PERMIT No.: 4587		TOTAL DEPTH: 1470'		RIG TYPE: ROT ELEV. 674'± 9'	
OPERATOR: CHAVEN OIL COMPANY		DRILLING CO.: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		CO-ORDINATES: 507°14: 418°E	
GEOLOGICAL CONTACTS:		TOP ELEV. THICK.		LONGITUDE: 42-40-22 N		SEQ.: 1	
Samples start at		323 ft.		Ditch/Lake bottom		9	
PRT LAMBERT		Kettle Point		SPUNDED: OCTOBER 21, 1978		ABANDONED: OCTOBER 21, 1977	
HAMILTON		Marcellus		SPL. TRAY No.: 3063		INDEX No.: 797	
DETROIT		Lucas		INTERVAL		INITIAL GAS RECORD	
RIVER		Bois Blanc		INTERVAL		NATURAL FLOW	
		Bois Blanc		INTERVAL		S.I. PRESSURE	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
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		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
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		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
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		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
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		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
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		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc		INTERVAL		N/R	
		Bois Blanc</					

CLASS: NEW

FIELD/POOL: NORFOLK

TOWNSHIP: NORTH WALSHINGHAM 7-9-1X

STATUS: GAS PRODUCER

WELL NAME: CRAEN NORTH OIL COMPANY

OPERATOR: GRAEN OIL COMPANY

DRILLING CO.: UNDERATER GAS DEV

GEOLOGY BY: PETROLEUM RESOURCE

GEOLOGICAL CONTACTS:

Samples short at 330 ft

Links/ground level

Drift/Lake bottom

Kettle Point

Hamilton

Morelius

Dundee

Lucas

Amherstburg

Bois Blanc

Bas Islands

G unit shale

F unit shale

E unit shale

D unit soil

C unit shale

B unit marker

A unit soil

A-1 unit evap

Guelph

Eromosa

Good Island

Gaspot

Recheater

Irondequoit

Remondes

Thoroid

Grimsby

Cobol Head

Monticoulin

Whitpool

Queensien

Medford Dundas

Collingwood

Cobourg

Verdun

Kirkfield

Cobocoon

Gull River

Shadow Lake

CAMBRIAN

PRECAMBRIAN

Total Depth Samples 1490 ft

REMARKS

MOC: 7

PERMIT NO: 4588

TOTAL DEPTH: 1490'

RIG TYPE: ROT

CO-ORDINATES: 370°N; 518°E

LATITUDE: 42-41-59 N

LONGITUDE: 80-34-37 W

CONFIDENTIAL: OCTOBER 24, 1978

SPUDDED: OCTOBER 22, 1977

COMPLETED: OCTOBER 24, 1977

ABANDONED:

SPL. TRAY No: 2358

INDEX No: 792

INITIAL GAS RECORD

INITIAL NATURAL FLOW

INTERVAL

NATURAL FLOW

INITIAL OIL RECORD

INITIAL NATURAL FLOW

INTERVAL

NATURAL FLOW

WATER RECORD

STAT. LEV.

FLOW

TYPE

CASING AND TUBING RECORD

SIZE

WEIGHT

SET AT

HOW SET

REC.

LOGGING RECORD

LOGGING CO: GREAT LUNES

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

CORING RECORD

STORED

CORED INTERVAL

REC. ANAL

CORED INTERVAL

REC. ANAL

FINAL RESULTS

OIL

N/L

GAS

N/R

PRESSURE

PRODUCING INTVL. 1342'-1344'

FORMATION TYPES OPEN HOLE

THROUOLD

D.S.T (S) ON FILE

TREATMENT:

CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER	
COUNTRY: HONOLULU	TOWNSHIP: NORTH WAIALAHUA 6-10-VI	CONG: VII	PERMIT NO: 4-58	PATD: 1326'	
WELL NAME: CRAVEN NORTH WALSINGHAM 6-10-VI					
OPERATOR: CRAVEN OIL COMPANY					
DRILLING CO.: MITCHELL & ELGIN					
GEOLOGY BY: PETROLEUM RESOURCE					
GEOLOGICAL CONTACTS:					
Samples start at	254 ft	TOP	ELEV	THICK	
Line/Ground level					
Drill/Late bottom	2	672			
DEVONIAN					
PIT LAMBERT	Kettle Point				
HAMILTON	Marcellus				
Dundee	250				
DETROIT RIVER	Lucas	389			
	Amerisburg	524			
	Boss Blanc	598			
	Boss Islands	638			
	G unit shale	660			
	F unit shale	740			
	E unit shale				
	D unit soil	866			
	C unit shale	892			
	B unit marker				
	B unit soil	932			
	A2 unit soil				
	A2 unit gravel	990			
	A-1 unit gravel	1008			
SILURIAN					
	Guelph				
	Eromosa	1142			
	Geot Island	1206			
	Gasport	1236			
	Rochester				
AMABEL	Iondelaquit	1292			
	Reynolds	1304			
	Thorold	1330			
	Grimsby	1352			
	Coboi Head	1407			
CATACT	Mantoulin				
	Whirlpool				
	Queenson	1420			
	Medford Dundas				
	Collingwood				
	Cobourg				
TRENTON	Vernidale				
	Kirkfield				
BLACK BLACK RIVER	Cabocank				
	Gull River				
	Shadow Lake				
CAMBRIAN					
PRECAMBRIAN					
Total Depth Samples	1449 ft				
		MQC: 7			
REMARKS					
NIL					
FINAL RESULTS					
OIL	NIL				
GAS	10 MCF/D				
PRESSURE	660 PSIG				
PRODUCING INTVL.	1298'-1326'				
FORMATIONS	OPEN HOLES YES				
TEST TUBES	14' TUBES				

COUNTY: NORFOLK

TOWNSHIP: NORTH WALSHINGHAM LOT: 12

CONCESSION: VII

YEAR: 1977

CLASS: DEVEL

FIELD/POOL: NORFOLK

STATUS: GAS PRODUCER

COUNTY: NORFOLK

TOWNSHIP: NORTH WALSHINGHAM LOT: 12 CONC: VII

WELL NAME: CRAVEN NORTH WALSHINGHAM 8-12-VII

PERMIT NO.: 4506

OPERATOR: CRAVEN OIL COMPANY

TOTAL DEPTH: 1414'

PERD: 1276'

DRILLING CO: MITCHELL, ELGIN

RIG TYPE: ROT ELEV. 626' ± 0'

GEOLOGY BY: PETROLEUM RESOURCE

CO-ORDINATES: 392°N: 437°W

LONGITUDE: 42-41-14 W

CONFIDENTIAL: OCTOBER 22, 1977

SPUNDED: AUGUST 19, 1977

COMPLETED: SEPTEMBER 22, 1977

ABANDONED:

SP. TRAY NO.: 3207

INDEX NO. 793

SEC: 1

Sample start at

190 ft

TOP

ELEV

THICK

Drift/Lake bottom

0

PRT LAMBERTON

Kettle Point

Hamilton

Marcellus

193

Dundee

Lucas

336

Amerhuburg

430

Bois Blanc

475

Bois Blanc

G unit

550

F unit

567

E unit

647

D unit

770

C unit

835

B unit

Salina

A2 unit

874

A1 unit

945

Guelpin

950

Eromosa

Goat Island

Gasport

1182

Recheater

Irondquoit

1235

Reynolds

1248

Thorold

1263

Grimsby

1278

Cobolt Head

1350

Manitoulin

Whitpool

Queenson

1362

Metford Dundas

Collingwood

Cobourg

Verniam

Kirkfield

Cobacook

Gull River

Shadow Lake

PRECAMBRIAN

CAMBRIAN

Total Depth Samples

1414 ft

REMARKS

MGC: 7

CONDITION

STORIED

CORED INTERVAL

REC. ANAL

CORED INTERVAL

REC. ANAL

NIL

LOGGING RECORD

LOGGING CO.: GREAT GUINS

LOGGED INTERVAL

TYPE

LOGGED INTERVAL

TYPE

1'-1414'

GRNL

1200'-1412'

DENL

CASING AND TUBING RECORD

SIZE

WEIGHT

SET AT

HOW SET

REV.

7.00H

20.0H

219'

CEMENTED

4.50H

9.5H

1239'

CEMENTED

FINAL RESULTS

OIL

NIL

GAS

55 MCF/D

PRESSURE

695 PSIG

PRODUCING INTVL.

1239'-1276'

PERFORATED

OPEN HOLES YES

FORMATION(S)

RT VALUES

D.S.T (S) ON FILE

TREATMENT:

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSHINGHAM LOT: 12 CONC: VIII		STATUS: GAS PRODUCER	
CLASS: DEVEL		FIELD/POOL: NORFOLK		PERMIT NO.: 4525	
WELL NAME: CRAVEN NORTH WALSHINGHAM 8-12-VIII		TOTAL DEPTH: 1410'		PERD: 1304'	
OPERATOR: CRAVEN OIL COMPANY		RIG TYPE: ROT ELEV. 668' ± 0'			
DRILLING CO: MITCHELL, ELGIN		CO-ORDINATES: 513°N: 475°W			
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-41-55 N		SEC: 1	
LONGITUDE: 80-12-42 W		CONFIDENTIAL: OCTOBER 28, 1977			
ABANDONED: SEPTEMBER 28, 1977		CONFIRMED: AUGUST 6, 1977			
SPL. TRAY NO.: 3209		INDEX NO.: 794			
SAMPLING INTERVAL: 1280'-1302'		INITIAL GAS RECORD		S.U. PRESSURE	
INITIAL FLOW		112 MCF/D		695 PSIG	
INTERNAL		INITIAL OIL RECORD		API GRAVITY	
NATURAL FLOW		NATURAL FLOW			
NIT		NATURAL FLOW			
INTERVAL		WATER RECORD		TYPE	
STAT. LEV.		FLOW			
A2 unit		905			
A1 unit		962			
Guelph		980			
Eramosa		1149			
Goat Island		1166			
Gasport		1207			
Recheater		1269			
Irondquoit		1278			
Reynolds		1293			
Thorold		1324			
Grimsby		1361			
Cobolt Head		1393			
Manitoulin					
Whitpool					
Queenson					
Metford Dundas					
Collingwood					
Cobourg					
Verniam					
Kirkfield					
Cobacook					
Gull River					
Shadow Lake					
CAMBRIAN					
PRECAMBRIAN					
Total Depth Samples		1410 ft		MGC: 7	
REMARKS					
CORING RECORD					
CONDITION					
CORED INTERVAL					
NIT					
LOGGING RECORD					
LOGGING CO.: GREAT GUINS					
LOGGED INTERVAL					
1'-1410'					
GRNL					
1270'-1410'					
DENL					
CASEING AND TUBING RECORD					
SIZE					
WEIGHT					
SET AT					
HOW SET					
REC.					
7.00H					
20.0H					
247'					
CEMENTED					
4.50H					
9.5H					
1280'					
CEMENTED					
FINAL RESULTS					
OIL					
NIT					
GAS					
112 MCF/D					
PRESSURE					
695 PSIG					
PRODUCING INTVL.					
1280'-1304'					
PERFORATED					
OPEN HOLES YES					
FORMATION(S)					
THOROLD					
D.S.T (S) ON FILE					
TREATMENT:					

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 13		CONCESSION: VIII		YEAR: 1977		CLASS: DEVEL	FIELD/POOL: NORTH WALSLINGHAM LOT: 13 CONC: VIII	STATUS: DRY HOLE	-AND
WELL NAME: CRAVEN UNION NORTH WALSLINGHAM 1-13-VIII		OPERATOR: CRAVEN OIL COMPANY		DRILLING CO: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOTAL DEPTH: 1440' PBTD	
RIG TYPE: ROT		RIG TYPE: ROT		ELEV: 700' ± 9'		CO-ORDINATES: 760°S, 1307°E		LONGITUDE: 42°-42'-32" W		LATITUDE: 80°-35'-44" N	
SPL. TRAY No: 3007		INDEX No: 795		CONFIDENTIAL: NOVEMBER 24, 1977		SPUDED: SEPTEMBER 28, 1977		COMPLETED: OCTOBER 31, 1977		ABANDONED: OCTOBER 31, 1977	
SPL. TRAY No: 3007		INDEX No: 795		INITIAL OIL RECORD		INITIAL GAS RECORD		S.I. PRESSURE		API GRAVITY	
HAMILTON		Lucas		258		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
DETROIT		Amherstburg		414		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
RIVER		Bois Blanc		533		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
Bois Blanc		584		G unit 320' ±		646		F unit 340' ±		673	
G unit 320' ±		646		E unit 320' ±		751		D unit 340' ±		870	
C unit 340' ±		870		B unit 340' ±		896		A-1 unit 340' ±		937	
A-1 unit 340' ±		937		A-2 unit 340' ±		994		A-1 unit 340' ±		998	
A-1 unit 340' ±		998		Eromosa		1013		Gaspert		1234	
Gaspert		1234		Rochester		1297		Reynolds		1309	
Reynolds		1309		Thorold		1312		Grimsey		1344	
Grimsey		1344		Cobol Head		1409		Manitoulin		1420	
Manitoulin		1420		Queensland		1420		Medford Dundas		1420	
Medford Dundas		1420		Collingwood		1420		Verulam		1420	
Verulam		1420		Kirkfield		1420		Cobocook		1420	
Cobocook		1420		Gull River		1420		Shadow Lake		1420	
Shadow Lake		1420		CAMSARIAN		1420		PRECAMBRIAN		1420	
PRECAMBRIAN		1420		Total Depth Samples 1440'		REMARKS		MOC: 7		WQC: 7	
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)		PERFORATED		OPEN HOLE		FINAL RESULTS	
OIL		NIL		GAS		NIL		PRESSURE		PRODUCING INTVL.	
PRODUCING INTVL.		1312'-1324'		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	
GAS		112 MCF/D		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	
GAS		112 MCF/D		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 13		CONCESSION: IX		YEAR: 1977		CLASS: DEVEL	FIELD/POOL: NORTH WALSLINGHAM LOT: 13 CONC: IX	STATUS: GAS PRODUCER	
WELL NAME: CRAVEN NORTH WALSLINGHAM 6-13-IX		OPERATOR: CRAVEN OIL COMPANY		DRILLING CO: MITCHELL, ELGIN		GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOTAL DEPTH: 1448' PBTD	
RIG TYPE: ROT		RIG TYPE: ROT		ELEV: 707' ± 2'		CO-ORDINATES: 1575°N, 482°E		LONGITUDE: 42°-42'-48" W		LATITUDE: 80°-33'-10" N	
SPL. TRAY No: 2430		INDEX No: 77A		CONFIDENTIAL: OCTOBER 2, 1977		SPUDED: AUGUST 9, 1977		COMPLETED: SEPTEMBER 2, 1977		ABANDONED: SEPTEMBER 2, 1977	
SPL. TRAY No: 2430		INDEX No: 77A		INITIAL OIL RECORD		INITIAL GAS RECORD		S.I. PRESSURE		API GRAVITY	
HAMILTON		Lucas		259		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
DETROIT		Amherstburg		398		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
RIVER		Bois Blanc		496		INTERVAL		NATURAL FLOW		S.I. PRESSURE	
Bois Blanc		591		G unit 340' ±		651		F unit 340' ±		678	
G unit 340' ±		651		E unit 340' ±		772		D unit 340' ±		874	
C unit 340' ±		874		B unit 340' ±		895		A-1 unit 340' ±		932	
A-1 unit 340' ±		932		A-2 unit 340' ±		990		A-1 unit 340' ±		1014	
A-1 unit 340' ±		1014		Eromosa		1014		Gaspert		1244	
Gaspert		1244		Rochester		1298		Reynolds		1310	
Reynolds		1310		Thorold		1352		Grimsey		1410	
Grimsey		1410		Cobol Head		1421		Manitoulin		1421	
Manitoulin		1421		Queensland		1421		Medford Dundas		1421	
Medford Dundas		1421		Collingwood		1421		Verulam		1421	
Verulam		1421		Kirkfield		1421		Cobocook		1421	
Cobocook		1421		Gull River		1421		Shadow Lake		1421	
Shadow Lake		1421		CAMSARIAN		1421		PRECAMBRIAN		1421	
PRECAMBRIAN		1421		Total Depth Samples 1445'		REMARKS		MOC: 7		WQC: 7	
D.S.T(S) ON FILE		TREATMENT:		FORMATIONS(S)		PERFORATED		OPEN HOLE		FINAL RESULTS	
OIL		NIL		GAS		112 MCF/D		PRESSURE		PRODUCING INTVL.	
PRODUCING INTVL.		1312'-1324'		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	
GAS		112 MCF/D		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	
GAS		112 MCF/D		PERFORATED		OPEN HOLE		FORMATIONS(S)		GAS	

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 13		CONCESSION: X		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 13 CONC: X		PERMIT NO: 4592			
WELL NAME: CRAVEN NORTH WALSLINGHAM 6-13-X		TOTAL DEPTH: 1429'		RIG TYPE: ROT		ELEV: 7191' ±	
OPERATOR: MITCHELL ELEGIN		CO-ORDINATES: 1514' N		LATITUDE: 42-43-28' N		LONGITUDE: 80-33-40' W	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP		ELEV: THICK	
Samples start at		237 ft		719		1	
Dirt/Lime bottom		2					
PRI LAMBERTON							
Kettle Point							
HAMILTON							
Dundee							
Lucas							
Amherburg							
Boa Bluffs							
G unit 1200'							
F unit 1200'							
E unit 1200'							
D unit 1200'							
C unit 1200'							
B unit 1200'							
A2 unit 1200'							
A1 unit 1200'							
Guelph							
Eramosa							
Geot Island							
Gaspot							
Hondequelt							
Reynolds							
Theroid							
Grimsby							
Cobol Head							
Monticuluin							
Whitpool							
Queanston							
Medford Dundas							
Collingwood							
Cobourg							
Verulam							
Kirkfield							
Cobocok							
Gull River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples 1429 ft		MOC: 7					
REMARKS							
D.S.T (S) ON FILE		TREATMENT:					

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 14		CONCESSION: X		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 14 CONC: X		PERMIT NO: 4601			
WELL NAME: CRAVEN-UNION NORTH WALSLINGHAM 6-14-X		TOTAL DEPTH: 1430'		RIG TYPE: ROT		ELEV: 7124' ±	
OPERATOR: UNDERMATER GAS DEV		CO-ORDINATES: 2574'S		LATITUDE: 42-43-28' N		LONGITUDE: 80-33-17' W	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP		ELEV: THICK	
Samples start at		300 ft		712		1	
Dirt/Lime bottom		9					
PRI LAMBERTON							
Kettle Point							
HAMILTON							
Dundee							
Lucas							
Amherburg							
Boa Bluffs							
G unit 1200'							
F unit 1200'							
E unit 1200'							
D unit 1200'							
C unit 1200'							
B unit 1200'							
A2 unit 1200'							
A1 unit 1200'							
Guelph							
Eramosa							
Geot Island							
Gaspot							
Hondequelt							
Reynolds							
Theroid							
Grimsby							
Cobol Head							
Monticuluin							
Whitpool							
Queanston							
Medford Dundas							
Collingwood							
Cobourg							
Verulam							
Kirkfield							
Cobocok							
Gull River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples 1430 ft		MOC:					
REMARKS							
D.S.T (S) ON FILE		TREATMENT:					

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 15		CONCESSION: X	YEAR: 1977	CLASS: DEVEL	FIELD/POOL: NORFOLK	STATUS: LOST HOLE	-ARD
COUNTRY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 15 CONC: X		PERMIT No.: 4608		TOTAL DEPTH: 276' PBD: 685' + 9'		RIG TYPE: ROT ELEV. 685' + 9'	
WELL NAME: CRAVEN-UNION NORTH		DRILLING CO.: UNDERWATER GAS DEV		CO-ORDINATES: 772°N: 379°W		GEOLOGICAL CONTACTS:		GEOLOGY BY: PETROLEUM RESOURCE	
SAMPLER: 100 ft		ft	TOP	ELEV	THICK	LONGITUDE: 42-43-45 N		LATITUDE: 80-32-36 W	
PIT: LAMBERTON		9	685			CONFIDENTIAL: JANUARY 20, 1978		SPUNDED: DECEMBER 20, 1977	
HAMILTON						COMPLETED: DECEMBER 20, 1977		ABANDONED: DECEMBER 22, 1977	
DETROIT						SPL. TRAY No.:		INDEX No.:	
RIVER						INITIAL GAS RECORD		S.I. PRESSURE	
DEVONIAN						INTERVAL		NATURAL FLOW	
Lucas						INITIAL OIL RECORD		API GRAVITY	
Amherstburg						INTERVAL		NATURAL FLOW	
Bass Islands						INTERVAL		NATURAL FLOW	
Gunt 3048						INTERVAL		NATURAL FLOW	
Funt 3048						INTERVAL		NATURAL FLOW	
Eunt 3048						INTERVAL		NATURAL FLOW	
Dunt 3048						INTERVAL		NATURAL FLOW	
Cunt 3048						INTERVAL		NATURAL FLOW	
Bunt 3048						INTERVAL		NATURAL FLOW	
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Aunt 3048						INTERVAL		NATURAL FLOW	

COUNTY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 16		CONCESSION: X		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTRY: NORFOLK		TOWNSHIP: NORTH WALSLINGHAM LOT: 16		CONC: X		PERMIT NO: 4609	
WELL NAME: CRAVEN-UNION NORTH		TOTAL DEPTH: 1392'		RIG TYPE: ROT		ELEV: 6771' ±	
OPERATOR: CRAVEN OIL COMPANY		CO-ORDINATES: 112°N: 353'W		GEOLOGICAL CONTACTS:		SEC: 1	
DRILLING CO: UNDERWATER GAS DEV		GEOLOGICAL CONTACTS:		TOP		ELEV	
GEOLOGICAL CONTACTS:		270 ft		THICK			
Samples start at		270 ft					
Lake/Gravel level		9		677			
Drift/Lake bottom							
PRT. LAMBERTON							
Kettle Point							
HAMILTON							
Marcellus		196					
Dundee							
Lucas		348					
DETROIT		482					
RIVER		526					
Bois Blanc		585					
G unit shale		585					
F unit shale		685					
E unit carb		810					
D unit soil		830					
C unit shale		830					
B unit soil		870					
A2 unit soil		928					
A-1 unit carb		948					
Guelph							
Eramosa							
Goat Island							
Gasport		1175					
Rocheester		1232					
Indequoit		1245					
Reynolds		1260					
Thorold		1285					
Grimsby		1343					
Cobol Head							
Monticoulin							
Whirlpool							
Queanston		1357					
Medford-Dundas							
Collingwood							
Vernon							
Kirkfield							
Cobocook							
Black River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN		1390 ft					
Total Depth Samples		1390 ft					
REMARKS		MCC: 7					
POOR AGREEMENT BETWEEN LOG AND SAMPLES							
CRITICAL MISSING SAMPLES							
POOR SAMPLE QUALITY							
D.S.T. (S) ON FILE		TREATMENT:					
		FORMATION(S)					

COUNTY: NORFOLK		TOWNSHIP: SOUTH WALSLINGHAM LOT: 7		CONCESSION: IV		YEAR: 1977	
CLASS: NEW		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTRY: NORFOLK		TOWNSHIP: SOUTH WALSLINGHAM LOT: 7		CONC: IV		PERMIT NO: 4576	
WELL NAME: CRAVEN SOUTH		TOTAL DEPTH: 1400'		RIG TYPE: ROT		ELEV: 6461' ±	
OPERATOR: CRAVEN OIL COMPANY		CO-ORDINATES: 176°15' E, 6381'E		GEOLOGICAL CONTACTS:			
DRILLING CO: UNDERWATER GAS DEV		GEOLOGICAL CONTACTS:		TOP		ELEV	
GEOLOGY BY: PLTRLOEIM RESOURCE		GEOLOGICAL CONTACTS:		THICK			
Samples start at		350 ft					
Lake/Gravel level				646			
Drift/Lake bottom							
PRT. LAMBERTON							
Kettle Point							
HAMILTON							
Marcellus				300			
Dundee							
Lucas				440			
Amherstburg				552			
Bois Blanc				600			
Bois Blanc				600			
G unit shale				673			
F unit shale				969			
E unit carb				774			
D unit soil							
C unit shale				899			
B unit soil				928			
A2 unit soil				967			
A1 unit carb							
A-1 unit carb							
Guelph				1036			
Eramosa							
Goat Island							
Gasport				1274			
Rocheester							
Indequoit				1331			
Reynolds				1342			
Thorold				1346			
Grimsby				1350			
Cobol Head				1442			
Monticoulin				1457			
Whirlpool				1460			
Queanston							
Medford-Dundas							
Collingwood							
Venidium							
Kirkfield							
Cobocook							
Black River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples		1470 ft					
REMARKS		MCC: 7					
OIL		N/L					
PRESSURE		N/R					
PRODUCING INTVL.							
PERFORATED		OPEN HOLE					
D.S.T. (S) ON FILE		TREATMENT:		FORMATION(S)			

COUNTY: NORFOLK		TOWNSHIP: SOUTH WALSHINGHAM LOT: 13		CONCESSION: VI		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL: NORFOLK		STATUS: GAS PRODUCER			
COUNTY: NORFOLK		TOWNSHIP: SOUTH WALSHINGHAM LOT: 13 CONC: VI		WELL NAME: CHAEN SOUTH WALSHINGHAM 3-13-VI		PERMIT NO.: 4568	
OPERATOR: CHAEN OIL COMPANY		TOTAL DEPTH: 1350'		RIG TYPE: ROT		ELEV. 1300'	
DRILLING CO.: UNDERWATER GAS DEV		CO-ORDINATES: 1585'45.382'E		LATITUDE: 42-01-01 N		LONGITUDE: 80-11-46 W	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS: 300 ft		TOP		ELEV. THICK	
Samples tested at		Dip/Loc/Level		Dip/Loc/Level		Dip/Loc/Level	
PRI LAMBERTON		Katie Point		Mercurius		Dundas	
HAMILTON		Dundas		Lucas		Amherburg	
DETROIT		Bois Blanc		G unit 1200'		F unit 1800'	
RIVER		G unit 1200'		F unit 1800'		D unit 1200'	
		C unit 1800'		B unit 1200'		A-1 unit 1200'	
		Guelph		Ecumaco		Guelph	
		Guelph		Guelph		Guelph	
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COUNTY: OXFORD		TOWNSHIP: DEREHAM		LOT: 25 CONCESSION: X1		YEAR: 1977	
STATUS: DEVED FIELD/POOL: BROWNVILLE STATUS/GAS PRODUCER				LOT: 25 CONC: X1 4321			
WELL NAME: FORBES NO.2 DEREHAM B-25-X1 OPERATOR: MEYLOW OIL CO. LTD DRAWING CO: ROSE MURRAY GEOLOGICAL BY: PETROLEUM RESOURCE GEOLOGICAL CONTACTS:				TOTAL DEPTH: 911' PAD PERMIT NO: 911' RIG TYPE: CAB ELEV. 790' ± 2' CO-ORDINATES: 4800' ± 351' W LATITUDE: 42-50-55 N LONGITUDE: 80-51-28 W SEC: 1			
Sample Method 171 ft TOP ELEV THICK				CONFIDENTIAL: MARCH 10, 1977 SPUNDED: JANUARY 7, 1977 COMPLETED: FEBRUARY 10, 1977 ABANDONED: SPL. TRAY NO.: 2910 INDEX NO. 202			
DEVIATION DATE/LOGS 2				INTERVAL INITIAL GAS RECORD S.L. PRESSURE			
HAMILTON Mercurius				155' SHOW 300 MCF/D 350 PSIG			
DETROIT Lucas 171 222				908' ± 910'			
RIVER Amherburg 307 307							
Boss Blone 480							
Boss Island							
G unit 1300' 532							
F unit 1300' 553							
E unit 1300' 666							
D unit 1301'							
C unit 1301' 763							
B unit 1301'							
Salina							
A2 unit 1301' 804							
A1 unit 1301' 847							
A1 unit 1302' 894							
Guelpi 895							
Eromomo							
Geot Island							
Gaspot							
Rocheater							
Irondequoit							
Reynolds							
Thorold							
Gimsey							
Cobol Head							
Montoulin							
Whirpool							
Quanton							
Method Dunder							
Collingwood							
Cobourg							
Vernon							
Kirkfield							
Cobocott							
Gull River							
Shadow Lake							
CAMERIAN							
PRECAMBRIAN							
Total Depth Samples 905 ft MGC: 7							
0 UNIT EQUIV 755 B UNIT EQUIV 785							
REMARKS							
D. & T. (S) ON FILE							
TREATMENT:							
PERFORATIONS OPEN HOLES GULCPH							
FINAL RESULTS							
OIL NIL							
GAS 300 MCF/D							
PRESSURE 350 PSIG							
PRODUCING INTVL. 910' - 911'							
PERFORATIONS GULCPH							

COUNTY: OXFORD

TOWNSHIP: DEREHAM

LOT: 28

CONCESSION: XII

YEAR: 1977

CLASS: DEVELOPMENT

FIELD/POOL:

TOWNSHIP: DEREHAM

STATUS: GAS SHOW

-ABD

WELL NAME: FORBES NO.7 DEREHAM B-2R-XII

OPERATOR: MELLOW OIL CO. LTD

DRILLING CO.: ROSE & MURRAY

GEOLOGICAL CONTACTS:

TOTAL DEPTH: 934'

RIG TYPE: CAB

CO-ORDINATES: 466°12' 463'W

LATITUDE: 42°49'-52" W

LONGITUDE: 80-52-23 W

CONFIDENTIAL: SEPTEMBER 24, 1977

SUDDENLY: JULY 21, 1977

COMPLETED: AUGUST 5, 1977

ABANDONED: SEPTEMBER 9, 1977

SPL. TRAY No.: 3200

INDEX No.: 204

PERMIT NO: 4005

ABTD: 7764' ±

SEED: 1

181 ft

TOP

ELEV.

THICK

2

776

PRI LAMBERTON

Kenna Point

DEVONIAN

HAMILTON

Dundas

Morrills

DETROIT

Lucas

Amanstburg

280

355

Bass Bluffs

480

G unit 1740' ±

541

F unit 1806'

564

E unit 1806'

666

D unit 1801'

752

C unit 1806'

B unit 1801'

835

A2 unit 1801'

839

A1 unit 1806'

898

Guelph

912

<

COUNTY: WELLS		TOWNSHIP: HUMBERTSTONE		LOT: 10		CONCESSION: V		YEAR: 1977	
CLASS: STORA		FIELD/POOL: CROWLAND		STATUS: STORAGE WELL					
COUNTRY: WELLS		TOWNSHIP: HUMBERTSTONE		10 CONC: V					
WELL NAME: CONSUMERS 33007 HUMBERTSTONE 10-V		PERMIT NO: 4565							
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 800'		PERM. PBD: 800'					
DRILLING CO: UNDERWATER GAS DEV		ROT ELEV: 5914' 7"		ROT ELEV: 5914' 7"					
GEOLOGY BY: PLTRIOTIUM RESOURCE		CO-ORDINATES: 63°11' 730"E		LATITUDE: 42°56'-57" N		LONGITUDE: 79-10-14 W		SEC: 1	
GEOLOGICAL CONTACTS:		SPUNDED: NOVEMBER 25, 1978		NOVEMBER 23, 1977		COMPLETED: NOVEMBER 25, 1977		ABANDONED:	
Samples sent at 315 ft		TOP ELEV		THICK		SP. TRAV No: 2429		INDEX No: 109	
Late/Grand level		7							
PRE LAMBERT									
Kettle Point									
HAMILTON									
Morcellus									
Dundee									
DETOIT									
Lucas									
River									
Bois Blanc									
Bas Islands									
G unit shale									
F unit shale									
E unit corals									
D unit shale									
C unit shale									
B unit shale									
A2 unit shale									
A1 unit corals									
Guelph									
Eramosa									
Goat Island									
Gaspot									
Ammabel									
Recheiter									
Indequeit									
Reynolds									
Thorold									
Grimaby									
Cobol Head									
Catafact									
Monticulin									
Whitpool									
Queenston									
Medford Dundas									
Collingwood									
Cobourg									
Vernum									
Kirkfield									
Black									
Gull River									
Shadow Lake									
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples		800 ft		MOC: 7					
REMARKS									
D.S.T (S) ON FILE									
TREATMENT: FOAM									
OIL		NIL							
PRESSURE		GAS		NIL					
PRODUCING INTVL.									
PERFORATEDYES		OPEN HOLE							
FORMATIONS(S)									

COUNTY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 10 CONC: V		YEAR: 1977	
CLASS: STORA		FIELD/POOL: CROWLAND		STATUS: STORAGE WELL			
COUNTRY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 10 CONC: V		4583	
WELL NAME: CONSUMERS 3305 HUMBERSTONE 10-V		PERMIT NO: 4583		PETO.			
OPERATOR: CONSUMERS GAS CO.		TOTAL DEPTH: 600'		RIG TYPE: ROT		593' + 6'	
DRILLING CO: UNDERATERM GAS DEV		CO-ORDINATES: 635°N; 190°E		LATITUDE: 42-56-52 N		LONGITUDE: 79-10-22 W	
GEOLOGY BY: PLTRIOLRUM RESOURCE		CONFIDENTIAL: NOVEMBER 19, 1978		SPUDDED: NOVEMBER 17, 1977		COMPLETED: NOVEMBER 19, 1977	
GEOLOGICAL CONTACTS:		ABANDONED:		SP.L TRAV No: 3132		INDEX No. 167	
Samples start of		330 ft		TOP		ELEV. THICK.	
Lake/Gravel bottom		593					
PRE LAMBERTON							
Kettle Point							
MAMILLTON							
Morcellus							
Dundee							
Lucas							
Amherburg							
Bois Blanc							
DETOIT							
RIVER							
Boss Islands							
G unit shale							
E unit shale							
D unit shale							
C unit shale							
B unit shale							
A2 unit shale							
A1 unit shale							
Guelph							
Eramosa							
Goal Island							
Gaspior							
Rechefer							
Iondesault							
Raynoles							
Thorold							
Grimaby							
Cobol Head							
Manitoulin							
Whirpool							
Queenton							
Medford Dundas							
Collingwood							
Cobourg							
Venusfield							
Kirkfield							
Cobocoon							
Gull River							
Shadow Lake							
CAMBRIAN							
PRECAMBRIAN							
Total Depth Samples		800 ft		MOC: 7			
REMARKS							
D.S.T(S) ON FILE							
TREATMENT: FOAM							
PERFORATIONS YES OPEN HOLE							
OIL		NIL		FINAL RESULTS			
GAS		NIL					
PRESSURE		NIL					
PRODUCING INTVL.							

COUNTY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 11	CONCESSION: V		YEAR: 1977		CLASS: STORLAND	FIELD/POOL: CROW AND	TOWNSHIP: HUMBERSTONE	STATUS: STORAGE WELL
WELL NAME: CONSUMERS 33001 HUMBERSTONE 11-V		OPERATOR: CONSUMERS GAS CO.		DRILLING CO.: UNDERWATER GAS DEV		GEOLOGY BY: PETROLEUM RESOURCE		TOTAL DEPTH: 740'		PERMIT NO.: 740'		PATD. 777'
CO-ORDINATES: 2020°N; 1480°W		LATITUDE: 42-57-02 N		LONGITUDE: 79-10-46 W		CONFIDENTIAL: NOVEMBER 4, 1978		SPUDED: NOVEMBER 2, 1977		COMPLETED: NOVEMBER 4, 1977		ABANDONED:
SPL. TRAY No.: 3203		INDEX No.: 183		INITIAL GAS RECORD		INITIAL OIL RECORD		INTERVAL		NATURAL FLOW		S.I. PRESSURE
INTERVAL		NATURAL FLOW		NATURAL FLOW		NATURAL FLOW		NATURAL FLOW		NATURAL FLOW		NATURAL FLOW
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COUNTY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 12	CONCESSION: V		YEAR: 1977		CLASS: STOR	FIELD/POOL: CROWLAND	STATUS: STORAGE WELL
WELL NAME: CONSUMERS 33002 HUMBERSTONE 12-V		TOWNSHIP: HUMBERSTONE		LOT: 12		CONC: V		PERMIT NO.: 4580		TOTAL DEPTH: 785'	
OPERATOR: CONSUMERS GAS CO.		RIG TYPE: UNDERWATER GAS DEV		CO-ORDINATES: 1635°N; 981°W		LATITUDE: 42-57-07 N		LONGITUDE: 79-10-49 W		SEQ: 1	
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		TOP	ELEV	THICK	CONFIDENTIAL: NOVEMBER 8, 1978		SPUDED: NOVEMBER 5, 1977		COMPLETED: NOVEMBER 8, 1977
Samples start at		300 ft				9	ABANDONED:		SPL. TRAY No.: 2606		INDEX No. 184
Drift/Lake bottom							INITIAL GAS RECORD		INITIAL OIL RECORD		API GRAVITY
PRI: LAMBTON							INTERVAL		INTERVAL		NATURAL FLOW
HAMILTON							INTERVAL		INTERVAL		NATURAL FLOW
DETROIT							INTERVAL		INTERVAL		NATURAL FLOW
RIVER							INTERVAL		INTERVAL		NATURAL FLOW
Boas Islands							INTERVAL		INTERVAL		NATURAL FLOW
G unit shale							INTERVAL		INTERVAL		NATURAL FLOW
F unit shale							INTERVAL		INTERVAL		NATURAL FLOW
E unit carb							INTERVAL		INTERVAL		NATURAL FLOW
D unit soil							INTERVAL		INTERVAL		NATURAL FLOW
C unit shale							INTERVAL		INTERVAL		NATURAL FLOW
B unit soil							INTERVAL		INTERVAL		NATURAL FLOW
A2 unit soil							INTERVAL		INTERVAL		NATURAL FLOW
A1 unit carb							INTERVAL		INTERVAL		NATURAL FLOW
Guelph							INTERVAL		INTERVAL		NATURAL FLOW
Eramosa							INTERVAL		INTERVAL		NATURAL FLOW
Geat Island							INTERVAL		INTERVAL		NATURAL FLOW
Gaspot							INTERVAL		INTERVAL		NATURAL FLOW
Recheater							INTERVAL		INTERVAL		NATURAL FLOW
Hondasquit							INTERVAL		INTERVAL		NATURAL FLOW
Raynoles							INTERVAL		INTERVAL		NATURAL FLOW
Thorold							INTERVAL		INTERVAL		NATURAL FLOW
Grimby							INTERVAL		INTERVAL		NATURAL FLOW
Cobol Head							INTERVAL		INTERVAL		NATURAL FLOW
Montisluin							INTERVAL		INTERVAL		NATURAL FLOW
Whirlpool							INTERVAL		INTERVAL		NATURAL FLOW
Quantenon							INTERVAL		INTERVAL		NATURAL FLOW
Medford Dundas							INTERVAL		INTERVAL		NATURAL FLOW
Collingwood							INTERVAL		INTERVAL		NATURAL FLOW
Cobourg							INTERVAL		INTERVAL		NATURAL FLOW
Verulam							INTERVAL		INTERVAL		NATURAL FLOW
Kirkfield							INTERVAL		INTERVAL		NATURAL FLOW
Cobocork							INTERVAL		INTERVAL		NATURAL FLOW
Gull River							INTERVAL		INTERVAL		NATURAL FLOW
Shadow Lake							INTERVAL		INTERVAL		NATURAL FLOW
CAMBRIAN							INTERVAL		INTERVAL		NATURAL FLOW
PRECAMBRIAN							INTERVAL		INTERVAL		NATURAL FLOW
Total Depth Samples		785 ft					INTERVAL		INTERVAL		NATURAL FLOW
REMARKS		MCC: 7									
D.S.T (S) ON FILE		TREATMENT: FOAM									
				</							

COUNTY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 12	CONCESSION: V	YEAR: 1977
CLASS: STORA		FIELD/POOL: CROWLAND		STATUS: STORAGE WELL		
COUNTRY: WELLAND		TOWNSHIP: HUMBERSTONE		LOT: 12	CONC: V	4584
WELL NAME: CONSUMERS 330DS		TOTAL DEPTH: 782'		PERMIT NO.: 4584		
OPERATOR: CONSUMERS GAS CO.		RIG TYPE: ROT		ELEV. 591+ 7'		
DRILLING CO.: UNDERWATER GAS DEV		CO-ORDINATES: 2100 N: 3921 W		LONGITUDE: 42-57-12 N		SEQ: 1
GEOLOGY BY: PETROLEUM RESOURCE		LATITUDE: 42-57-12 N		CONFIDENTIAL: NOVEMBER 22, 1978		
GEOLOGICAL CONTRACTS:		SPUDED: NOVEMBER 20, 1977		COMPLETED: NOVEMBER 22, 1977		
Samples start at		SPL. TRAY No.: 2419		INDEX No.: 188		
Lake/Ground level		INITIAL GAS RECORD		S.I. PRESSURE		
Drill/Lake bottom		NATURAL FLOW				
PRT. LAMBERTON		INTERVAL		NATURAL FLOW		
Kettle Point		NATURAL FLOW				
Hamilton		NATURAL FLOW				
Dundee		NATURAL FLOW				
Lucas		NATURAL FLOW				
Amherstburg		NATURAL FLOW				
Bois Blanc		NATURAL FLOW				
Bass Islands		NATURAL FLOW				
G unit shale		NATURAL FLOW				
F unit shale		NATURAL FLOW				
E unit carb.		NATURAL FLOW				
D unit carb.		NATURAL FLOW				
C unit shale		NATURAL FLOW				
B unit shale		NATURAL FLOW				
A2 unit carb.		NATURAL FLOW				
A1 unit carb.		NATURAL FLOW				
Guelph		NATURAL FLOW				
Eromoso		NATURAL FLOW				
Goat Island		NATURAL FLOW				
Gaspot		NATURAL FLOW				
Rochester		NATURAL FLOW				
Indesquilt		NATURAL FLOW				
Reynolds		NATURAL FLOW				
Thorold		NATURAL FLOW				
Grimsey		NATURAL FLOW				
Cobot Head		NATURAL FLOW				
Mantoulin		NATURAL FLOW				
Whirlpool		NATURAL FLOW				
Queensland		NATURAL FLOW				
Metford Dundas		NATURAL FLOW				
Collingwood		NATURAL FLOW				
Cobourg		NATURAL FLOW				
Verulam		NATURAL FLOW				
Kirkfield		NATURAL FLOW				
Cobocoh		NATURAL FLOW				
Gull River		NATURAL FLOW				
Shadow Lake		NATURAL FLOW				
CAMBRIAN		NATURAL FLOW				
PRECAMBRIAN		NATURAL FLOW				
Total Depth Samples		770 ft		MCC: 7		
REMARKS		LOGGING CO.: GREAT GUNS		LOGGED INTERVAL		
LOG AND SAMPLE DEPTHS DISAGREE BY A CONSTANT FACTOR		LOGGED INTERVAL		TYPE		
		1' - 758'		69NL		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
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		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
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		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
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		CONDITION		CORING RECORD		
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		CONDITION		CORING RECORD		
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		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
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		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		
		NIL		REC. ANAL.		
		CORING RECORD		STORIED		
		CONDITION		CORING RECORD		
		CORED INTERVAL		REC. ANAL. CORED INTERVAL		

COUNTY: WELLINGTON		TOWNSHIP: ARTHUR		LOT: 23	CONCESSION: VI	YEAR: 1977	CLASS: DEVEL	FIELD/POOL:	STATUS: DRY HOLE		
WELL NAME: KENARTHIA NO.6 ARTHUR 8-23-VI		TOWNSHIP: ARTHUR		LOT: 23	CONC: VI	4315	PERMIT NO. 4315				
OPERATOR: KENARTHIA OIL & GAS		TOTAL DEPTH: 2538'		RIG TYPE: CAB		ELEV. 1446' ± 2'		COORDINATES: 540°N; 525°E			
GEOLOGY BY: PETROLEUM RESOURCE		GEOLOGICAL CONTACTS:		LONGITUDE: 43-51-46 N		SEQ: 1		LATITUDE: 80-35-27 W			
Sample start of		154 ft	TOP	ELEV	THICK						
Duff/Lake level		2									
PRI LAMBERTON		Katie Point		CONFIDENTIAL: JANUARY 6, 1978		SPUNDED: MARCH 9, 1977		ABANDONED: DECEMBER 6, 1977			
HAMILTON		Morcellus		SPL. TRAY No.: 3929		INDEX No. 17		SPL. GAS RECORD			
DETROIT		Lucas		INTERVAL		INITIAL GAS RECORD		NATURAL FLOW			
RIVER		Amherburg		INTERVAL		NATURAL FLOW		S.I. PRESSURE			
		Boss Islands		NIL							
		G unit 150' ±		INITIAL OIL RECORD							
		F unit 50' ±		INTERVAL		NATURAL FLOW		API GRAVITY			
		E unit 50' ±		NIL							
		D unit 50' ±		WATER RECORD							
		C unit 50' ±		INTERVAL		STAT. LEV.		FLOW			
		B unit 50' ±		125'		80'		FRESH			
		A2 unit 50' ±		TYPE							
		A1 unit 50' ±		CASING AND TUBING RECORD							
		Guelph		SIZE		WEIGHT		SET AT			
		Eaton		10.75"		40.0#		157'			
		Geopert		8.63"		40.0#		CASING SHOE			
		Recoater		7.00"		655'		CASING SHOE			
		Renaissance		7.00"		655'		CASING SHOE			
		Theroid		LOGGING CO.							
		Grimsey		LOGGED		INTERVAL		TYPE			
		Cobol Head		CORING RECORD							
		Mortuaria		CONDITION		STORIED		CORING RECORD			
		Whitpool		CORED INTERVAL		REC.		ANAL			
		Queenson		NIL							
		Medford Dundas		CORING RECORD							
		Collingwood		CONDITION		STORIED		CORING RECORD			
		Gobourg		CORED INTERVAL		REC.		ANAL			
		Verulam		NIL							
		Kirkfield		CORING RECORD							
		Gobocok		CONDITION		STORIED		CORING RECORD			
		Gull River		CORED INTERVAL		REC.		ANAL			
		Shadow Lake		NIL							
		CAMBRIAN		CORING RECORD							
		PRECAMBRIAN		CONDITION		STORIED		CORING RECORD			
Total Depth Samples 2533 ft		2538		MOC: 7							
D.S.T(S) ON FILE		REMARKS		FINAL RESULTS							
		OIL		NIL							
		GAS		NIL							
		PRESSURE		PRODUCING INTVL.							
		TREATMENT:		PERFORATED							
		FORMATIONS(S)		OPEN HOLE							

COUNTY: WELLINGTON		TOWNSHIP: ARTHUR		LOT: 24		CONCESSION: VII		YEAR: 1977	
CLASS: NFM		FIELD/POOL:		STATUS: DRY HOLE		-ARD			
COUNTRY: WELLINGTON		TOWNSHIP: ARTHUR		LOT: 24		CONC: VII		4545	
WELL NAME: KENARTHIA NO.8 ARTHUR 8-24-VII		TOTAL DEPTH: 2395'		RIG TYPE: CAB		ELEV. 1438' ± 5'		COORDINATES: 500°N; 600°E	
OPERATOR: KENARTHIA OIL & GAS		LONGITUDE: 42-51-20 W		SEQ: 1					
PILLING CO.: ALLIED DR. & SERV.		LATITUDE: 80-39-21 W							
GEOLOGY BY: PETROLEUM RESOURCE		CONFIDENTIAL: DECEMBER 8, 1978		SPUNDED: SEPTEMBER 7, 1977		ABANDONED: DECEMBER 9, 1977		JANUARY 25, 1978	
GEOLOGICAL CONTACTS:		SPL. TRAY No.: 3927		INDEX No. 16		SPL. GAS RECORD			
Sample start of		134 ft		TOP		ELEV		THICK	
Late/Lake bottom		5							
PRI LAMBERTON		Katie Point							
HAMILTON		Morcellus							
DETROIT		Dundas							
RIVER		Lucas							
		Amherburg							
		Boss Islands							
		G unit 120' ±							
		F unit 50' ±		134					
		E unit 50' ±		138					
		D unit 50' ±		212					
		C unit 50' ±							
		B unit 50' ±							
		A2 unit 50' ±		255					
		A1 unit 50' ±		336					
		Guelph							
		Eaton		425					
		Geopert		611					
AMABEL		Recoater							
		Renaissance							
		Theroid							
		Grimsey							
CATARACT		Cobol Head		694					
		Mortuaria		730					
		Queenson		733					
		Medford Dundas		1130					
		Collingwood		1610					
		Gobourg		1693					
TRENTON		Verulam		1890					
		Kirkfield		2030					
		Cobocok		2168					
BLACK RIVER		Gull River		2190					
		Shadow Lake		2330					
CAMBRIAN									
PRECAMBRIAN									
Total Depth Samples 2395 ft		2386		MOC: 6					
CRITICAL MISSING SAMPLES		REMARKS		FINAL RESULTS					
D.S.T(S) ON FILE		TREATMENT:		PERFORATED		OPEN HOLE			

COUNTY: WELLINGTON		TOWNSHIP: ARTHUR		LOT: 25	CONCESSION: VI		YEAR: 1977	
CLASS: DEVEL		FIELD/POOL:		STATUS: DRY HOLE		-ABD		
COUNTRY: WELLINGTON		TOWNSHIP: ARTHUR		LOT: 25		CONC: VI		
WELL NAME: KENAPATHA NO. 7		TOTAL DEPTH: 2500'		PERMIT NO.: 4033				
OPERATOR: KENAPATHA OIL & GAS		RIG TYPE: CAB		ELEV. 1423' ±				
DRILLING CO.: ALLIED DR. & SERV.		CO-ORDINATES: 498°N, 506°E		LATITUDE: 43-51-05 N		LONGITUDE: 80-28-18 W		
GEOLOGY BY: PETROLEUM RESOURCE		CONFIDENTIAL: SEPTEMBER 10, 1977		SPUNDED: MAY 17, 1977		COMPLETED: AUGUST 10, 1977		
GEOLOGICAL CONTACTS:		ABANDONED: AUGUST 18, 1977		SPL. TRAX NO.: 3905		INDEX NO. 15		
Samples start of		INITIAL GAS RECORD		INITIAL NATURAL FLOW		S.I. PRESSURE		
Late/Ground level		2400' ± 2405'		4 WCF/D		50 PSIG		
Drill/Late bottom		5		1423				
PRI LAMBTON								
HAMILTON								
Morgellus								
Dundas								
Lucas								
Amherstburg								
River								
Bas Blanc								
G unit shale								
F unit shale								
E unit sand								
D unit sand								
C unit shale								
B unit sand								
A2 unit sand								
A1 unit sand								
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